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HERCULES

COMPLIANCE STATUS REPORT

3000 Louisville Road
Savannah, Georgia

October 2018

COMPLIANCE STATUS REPORT

3000 Louisville Road
Savannah, Georgia

Prepared for:

Hercules LLC

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Our Ref.:

OH011000.GA61.18300

Date:

October 2018

Based on a review of the findings of this report with respect to the risk reduction standards of the Rules for Hazardous Site Response, Rule 391-3-19-.07, I have determined that this site/property is in compliance with industrial risk reduction standards for soil and groundwater.

TIMOTHY WASSEN	REMEDIATION PROJECT MANAGER
NAME (Please type or print)	TITLE
	10/31/18
SIGNATURE	DATE

Return to:

Environmental Protection Division

Land Protection Branch

2 Martin Luther King, Jr. Drive

Suite 1054, East Tower

Atlanta, Georgia 30334

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 gathered and evaluated 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.

Former Hercules LLC, Environmental Remediation – 3000 Louisville Road, Savannah, Georgia
Facility Name

Compliance Status Report
Document Title

Timothy Hassett, Project Manager- Remediation
Name and Title

10/3/18
Date

Professional Engineer/Geologist Certification

I certify that I am a qualified groundwater scientist who has received a baccalaureate or postgraduate degree in the natural sciences or engineering and have sufficient training and experience in groundwater hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this report was prepared by me or by a subordinate working under my direction.

David M. Wilderman, P.G.
Georgia Registration No. 978

October 31, 2018
Date

Former Hercules – 3000 Louisville Road, Savannah, Georgia
Facility Name

Compliance Status Report
Document Title

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ACRONYMS AND ABBREVIATIONS

2,3,7,8-TCDD	tetrachlorodibenzofuran
amsl	above mean sea level
Arcadis	Arcadis U.S., Inc.
AST	aboveground storage tank
ASV	alternative screening value
bgs	below ground surface
C	target groundwater concentration
CAP	Corrective Action Plan
C_l	leachate concentration
C_0	mixed groundwater concentration
COC	constituent of concern
COPC	constituent of potential concern
COPEC	constituent of potential ecological concern
CSM	conceptual site model
CSR	2018 Compliance Status Report
CSR Addendum	Compliance Status Report Addendum
CSR Addendum #2	Compliance Status Report Addendum #2
C_t	total soil concentration
CTO	crude tall oil
DAF	dilution attenuation factor
d_c	chemical transport distance
ECOSAR	Ecological Structure Activity Relationships
ELCR	excess lifetime cancer risk
EPC	exposure point concentration
ESV	ecological screening value
*f*oc	fraction of organic carbon
ft/ft	foot per foot
GA EPD	Georgia Department of Natural Resources, Environmental Protection Division
Hercules	Hercules LLC

HHRA	human health risk assessment
HSI	Hazardous Site Inventory
i	hydraulic gradient
IWQC	in-stream water quality criteria
k	constant
K	hydraulic conductivity
MFL	million fibers per liter
mg/kg	milligrams per kilogram
mg/L	milligram per liter
NAWQC	National Ambient Water Quality Criteria
NTU	nephelometric turbidity unit
PCB	polychlorinated biphenyl
POE	point of exposure
PVC	polyvinyl chloride
P_w	pore water phase
R_f	retardation factor
RG	remedial goal
RRS	risk reduction standards
RSL	Regional Screening Level
RUZ	Restricted Use Zone
SESD	Science and Ecosystem Support Division
site	former Hercules Savannah facility, located at 3000 Louisville Road, Savannah, Georgia
SLERA	screening level ecological risk assessment
SMP	Soil Management Plan
Solenis	Solenis International, L.P.
s.u.	standard unit
SVOC	semivolatile organic compound
t	time
TEF	Toxicity Equivalency Factor
2,3,7,8-TCDD TEQ	Total dioxin, furan, and dioxin-like PCBs 2,3,7,8-TCDD Toxicity Equivalent Quotient

TestAmerica	TestAmerica Laboratories, Inc., located in Savannah, Georgia
TOC	total organic carbon
UCL	upper confidence limit
UEC	Uniform Environmental Covenant
USEPA	United States Environmental Protection Agency
USFWS	U.S. Fish & Wildlife Service
V_c	transport rate in groundwater
VIRP	Voluntary Investigation and Remediation Plan
VISL	vapor intrusion screening level
VOC	volatile organic compound
VRP	Voluntary Remediation Program
VRPA	Voluntary Remediation Program Act
µg/L	microgram per liter
V_s	seepage water velocity
°C	degrees Celsius
°F	degrees Fahrenheit
θ_e	effective porosity
λ	chemical half-life

1 INTRODUCTION

On behalf of Hercules LLC (Hercules), Arcadis U.S., Inc. (Arcadis) prepared this Compliance Status Report (CSR) for the former Hercules Savannah facility, located at 3000 Louisville Road, Savannah, Georgia (site), to meet requirements outlined in the Georgia Voluntary Remediation Program Act (VRPA). This CSR incorporates data obtained from recent investigations completed under a Voluntary Investigation and Remediation Plan (VIRP) since 2013, as well as previous investigations dating back to 2000. Information and data contained in this CSR are provided in a streamlined format and additional information, if required, can be provided to the Georgia Department of Natural Resources, Environmental Protection Division (GA EPD) upon request.

This CSR documents investigations that were successful in delineating all constituents of potential concern (COPCs) to either localized areas at the facility, or where localized delineation activities were limited by site restrictions, provide delineation of these detections on a site-wide basis. In addition, this CSR provides both a human health risk assessment (HHRA) and a screening level ecological risk assessment (SLERA) for these COPCs, which confirms the limited risks associated with residual compounds at the facility. Based on the results of these investigations and risk assessments, site-specific Type 4 RRS were established for select compounds at the facility. At select locations, residual compounds (1,1-biphenyl, Aroclor 1254, 2,3,7,8-TCDD toxicity equivalent quotient [TEQ]) were present at concentrations exceeding these criteria. To address these areas, it is proposed to eliminate pathways to potential receptors through institutional controls contained in a Uniform Environmental Covenant (UEC).

1.1 Site History

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 ceased in 2004 and 2006, respectively, and the facility currently produces chemicals used in the paper processing industry.

The property was first developed in 1922 by Paper Makers Chemical Corporation for pulp and paper chemical manufacturing. Hercules Incorporated purchased the facility in 1931. Hercules Incorporated, which became a wholly owned subsidiary of Ashland Inc. in 2008, sold its water technologies business and associated assets to Solenis International, L.P. (Solenis) on July 31, 2014. Accordingly, Solenis is now the owner and operator of the facility and operations continue to be consistent with industrial site use. On September 27, 2016, Hercules Incorporated became Hercules LLC and Ashland Inc. became Ashland LLC.

The facility comprises 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 Nos. 2-0734-01-001 and 2-0734-03-001), comprising 29.09 acres, are the properties approved for inclusion in the Voluntary Remediation Program (VRP) and are currently listed on the Hazardous Site Inventory (HSI) as ID No. 10696.

Hercules is coordinating the remediation efforts outlined in the VIRP for the two parcels shown on Figure 1 superimposed on a topographic map of the area. These parcels constitute the two properties referenced in the GA EPD HSI for Site 10696. The term “site” is used throughout this CSR to refer to the two tracts that comprise HSI No. 10696 that are owned by Solenis, but whose current environmental remediation HSRA/VRP requirements are managed by Hercules. Figure 2 provides an aerial view of the VRP properties, the qualifying property boundaries, and abutting properties. Figure 3 shows the layout of the VRP properties and monitoring well locations. A tax parcel map showing specific information on land tracks and ownership is provided in Appendix A, along with a March 2001 survey completed by Connor and Associates, Inc. that shows the extent of the property sold to Solenis in 2014.

1.2 Report Organization

The remainder of this report is organized into the following sections:

- *Section 2 – Regulatory and Site Investigation History.* Presents a timeline of release, response, and remedial action history.
- *Section 3 – Conceptual Site Model Summary.* Describes the physical features of the site that may affect the fate and transport of regulated constituents identified in soil, sediment, surface water, and groundwater.
- *Section 4 – Site Environmental Conditions.* Discusses environmental conditions at the site based on an accumulation of data collected during historical investigations completed since 2000.
- *Section 5 – Updated Risk Assessment.* Discusses the HHRA and SLERA conducted at the site.
- *Section 6 – Compliance with RRS.* Discusses evaluations completed to determine compliance with the applicable RRS at the site.
- *Section 7 – Proposed Corrective Actions.* Summarizes the planned corrective actions including the UEC and institutional controls, to be used at the site.
- *Section 8 – Summary and Conclusions.* Summarizes historical investigations at the site, as well as the HHRA and SLERA, and presents conclusions based on the results of investigations.
- *Section 9 – References.* Lists the references cited throughout this report.

2 REGULATORY AND SITE INVESTIGATION HISTORY

Historical investigations have been ongoing at the site since the initial release notifications in 2000. Investigations have resulted in a better understanding of site conditions including the complete delineation of site related COPCs on site as well as the identification of areas where site-specific Type 4 RRS were developed. The following is a timeline of events including details on the release, response, and remedial action history:

- On March 9, 2001, the GA EPD determined that a release exceeding a reportable quantity occurred at the facility. This determination was based on information provided in the following release notifications: June 15, 2000 (caustic release in the Dry Size Tank Farm Area), July 13, 2000 (asbestos and benzene in the former Fatty Acid 50s and 60s Tank Areas), and August 11, 2000 (acrolein release in the Hard Resins Area). Subsequently, the facility was placed on the Georgia HSI.
    - To assess groundwater conditions at the site, Hercules installed 11 temporary groundwater monitoring wells in July 2000 and 24 groundwater monitoring wells (21 shallow and three deep) in October 2000 (the MW-F series). The site groundwater monitoring network and well construction details are provided in Table 1.
- 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.
- In 2001, in support of a business transaction, Arcadis-Geraghty & Miller conducted a Phase II site investigation of the Resin Manufacturing Areas and the Common Wastewater Treatment Facility Area. The investigation included groundwater and soil sampling (NewFields 2004).
- Consistent with the Georgia Rules for Hazardous Site Response, Rule 391-3-19-.06(3)(a), versions of a CSR for the site were prepared and submitted on June 1, 2002; February 9, 2003; and August 9, 2004 (NewFields 2004).
    - In response to GA EPD comments on the CSRs, seven shallow and six deep groundwater monitoring wells were added to the site monitoring network in October through December 2002 (Table 1), additional groundwater and soil sampling was conducted in 2002 and 2004 by MacTec, Inc., and the CSR findings were affirmed and/or revised.
    - In July and August 2006, additional groundwater and soil data were collected by MacTec, Inc. and S&ME, Inc. to supplement the existing dataset and provide information for preparation of a CSR addendum.
    - A Compliance Status Report Addendum (CSR Addendum; NewFields 2006) to the 2004 CSR was submitted on September 29, 2006 to document 2006 data collection and the site status regarding the risk reduction standards (RRS) of Rule 391-3-19-.07 for regulated substances associated with the site.
    - The GA EPD issued a letter dated March 11, 2008 in response to the CSR Addendum (NewFields 2006), requesting submittal of a Corrective Action Plan (CAP) to address

groundwater contamination, as well as additional data to determine the compliance status for soil at the site (GA EPD 2008).

- A CAP was submitted in October 2008 (NewFields 2008) to document groundwater corrective action means and methods, as a partial fulfillment of requirements described in the GA EPD comments received in March 2008 (GA EPD 2008).
- A Compliance Status Report Addendum #2 (CSR Addendum #2; NewFields 2009) was submitted in March 2009 to address the remainder of GA EPD comments received in March 2008 (GA EPD 2008).
    - The CSR Addendum #2 (NewFields 2009) documented assessments of soil investigations to horizontally delineate constituents of concern (COCs) in the Hard Resins Area and former Fatty Acid 50s and 60s Tank Areas, the installation of one replacement shallow groundwater monitoring well (MW-F3R) and two new shallow and two new deep groundwater monitoring wells in November 2008 (Table 1), and groundwater slug test results.
- The GA EPD issued comments on October 25, 2010 to the CSR Addendum #2 (GA EPD 2010) requesting additional characterization and delineation of soil and groundwater at the site and a field work plan. Arcadis submitted a response to these comments in February 2011 (Arcadis 2011).
- The GA EPD issued a letter dated December 8, 2011 (GA EPD 2011), in response to the February 2011 submittal (Arcadis 2011), which requested several actions including additional sampling and delineation, revisions to the calculated RRS, and preparation of a revised CAP pursuant to the Georgia Rules for Hazardous Site Response.
- In lieu of preparing and submitting a revised CAP, Hercules submitted a VIRP on April 9, 2012 (Arcadis 2012), as requested in the GA EPD December 2011 letter.
- The GA EPD approved the VIRP application on March 15, 2013 (GA EPD 2013).
- Hercules submitted a Work Plan for Semiannual Groundwater Sampling in July 2012.
- The First Semiannual Progress Report (Arcadis 2013) summarized the initial tasks completed following approval of the VIRP application and provided details of planned tasks for 2014.
- The Semiannual Progress Report #2 (Arcadis 2014a) was submitted on March 15, 2014, documenting routine groundwater monitoring activities.
- The Semiannual Progress Report #3 (Arcadis 2014b) was submitted on September 15, 2014, documenting routine groundwater monitoring, soil sampling at historical locations, sediment and surface water sampling, and slug test activities.
- The Semiannual Progress Report #4 (Arcadis 2015a) was submitted on March 30, 2015 and included the following:
    - 2014 groundwater monitoring, soil, sediment, and surface water delineation results
    - An updated conceptual site model (CSM)
    - Results of the HHRA and SLERA completed in 2014
    - Details of a soil excavation completed in October 2014, as part of the Kymene® Reactor expansion.

- Semiannual Progress Report #5 (Arcadis 2015b) was submitted on October 6, 2015, documenting routine groundwater monitoring activities and outlining the completion of the August 2015 soil sampling event in the Dowtherm® Area.
- Semiannual Progress Report #6 (Arcadis 2016a) was submitted on April 6, 2016 and included the following:
    - Results of routine groundwater monitoring activities
    - An updated CSM
    - Analytical results from the August 2015 soil sampling event to further delineate COCs in the Dowtherm® Area.
- Semiannual Progress Report #7 (Arcadis 2016b) was submitted on October 5, 2016, documenting routine groundwater monitoring activities.
    - The GA EPD issued a letter dated January 5, 2017 (GA EPD 2017a), in response to the Semiannual Progress Report #7 (Arcadis 2016b), which requested several actions, including: re-evaluation of the delineation standards in soil and groundwater for bis(2-chloroethyl)ether and phenol, re-evaluation of the SLERA, completion of vertical delineation in soil above the water table, and collection of pH data in the caustic substance release area. The response also requested the completion of a comprehensive groundwater monitoring event.
- Semiannual Progress Report #8 (Arcadis 2017a) was submitted on March 15, 2017 in response to GA EPD comments received on January 5, 2017 (GA EPD 2017a) to the Semiannual Progress Report #7 (Arcadis 2016b).
    - The GA EPD issued a letter dated June 28, 2017 (GA EPD 2017b) in response to the Semiannual Progress Report #8 (Arcadis 2017a), which requested several actions including additional sampling and delineation.
- Semiannual Progress Report #9 (Arcadis 2017b) was submitted on September 29, 2017 in response to GA EPD comments received on June 28, 2017 (GA EPD 2017b) for Semiannual Progress Report #8 (Arcadis 2017a).
- In response to GA EPD requests to complete further delineation at the site (GA EPD 2017a, 2017b), Hercules completed additional soil and groundwater investigations at the site in 2017 and 2018, including the installation of six temporary shallow groundwater monitoring wells in October 2017 (Table 1). Data from these investigations are documented in this CSR.

Throughout the subsurface investigations, regulated substances were identified in site groundwater and soil. In addition, trace concentrations of regulated substances were detected in surface water and sediment samples collected from Dundee Canal, located hydraulically downstream from the site (Figure 3), as reported in Semiannual Progress Report #4 (Arcadis 2015a). The regulated substances detected at the site, along with the applicable delineation standards, are provided in the VIRP (Arcadis 2012).

The GA EPD provided pre-approved RRS to Hercules following the submittal of the VIRP (Arcadis 2012) in a letter dated January 10, 2014 (GA EPD 2014a). The GA EPD-approved RRS are provided in Tables 2, 3, and 4. In these tables, Type 1 and 2 RRS apply to residential areas, while Type 3 and 4 RRS apply to nonresidential areas. Hercules elected to use these RRS for the delineation and initial cleanup

standards under the VIRP (Arcadis 2012). At a meeting in May 2018, Hercules revisited these pre-approved RRS with the GA EPD. The outcome of this meeting was that Hercules could propose site-specific Type 4 RRS developed using accepted risk assessment practices. The development of site-specific Type 4 RRS are discussed in Section 5.

3 CONCEPTUAL SITE MODEL SUMMARY

Investigations of soil and groundwater at the site have been conducted since 2000 to identify potential source areas of regulated constituents and provide horizontal and vertical delineation of constituents in affected media. Site investigations have been successful in identifying the presence of regulated constituents in groundwater and soil, the horizontal and vertical extents of the constituents, and limited areas containing residual concentrations of 1,1-biphenyl and polychlorinated biphenyls (PCBs) greater than their site-specific Type 4 RRS. The limited number and areal extent of potential source areas combined with the low hydraulic conductivity typical of the shallow saturated zone have resulted in minimal vertical and lateral migration of regulated constituents.

This section describes the physical features of the site that may affect the fate and transport of regulated constituents identified in soil, sediment, surface water, and groundwater. Understanding these characteristics provides a basis for performing field data collection activities necessary to evaluate environmental conditions at the site that may lead to unacceptable risks or hazards to potentially exposed human or ecological receptors. The physical properties described in this section form the CSM and are further supported by the risk-based exposure evaluations provided in Section 5, which quantitatively evaluate risks and hazards to both present and theoretical future receptors populations.

3.1 Climate

The climate in Chatham County is warm and moist, with the annual temperature averaging 66 degrees Fahrenheit (°F) and an annual rainfall of 51 inches. The average January temperature is 51 °F and the average July temperature is 81 °F. Peak rainfall occurs in June through August.

3.2 Topography

The site 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 soil.

The site is divided by a surface water feature, Dundee Canal, which is a manmade structure that extends through the city of Savannah. Dundee Canal traverses the site, flowing from the southwest to northeast, and eventually discharges into the Savannah River approximately 2.5 miles northeast of the site. The portion of Dundee Canal that traverses the site (approximately 855 linear feet) includes an open channel (approximately 95 linear feet), which flows into a below-grade concrete culvert (approximately 710 linear feet), with a small portion (approximately 50 linear feet) of open channel near the MW-F17 and MWD-F3 area on the western portion of the site (Figure 3). Site surface water drainage is convergent to the canal with ground surface elevations becoming lower approaching Dundee Canal. Ground surface elevations at the site range from 5.3 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.

3.3 Geology

Southeastern Chatham County is underlain by approximately 4,000 feet of sedimentary Coastal Plain sediment ranging in age from Holocene to Cretaceous. From land surface to a depth of approximately 500 feet, this sediment is 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.

The soil in the area of the site is classified as Wahee Series soil by the Natural Resources Conservation Service. The soil is characterized as poorly drained, occurring in areas with less than a 2 percent slope, and generally has low organic matter and acidic pH (4.5 to 5 standard units [s.u.]). The soil profile comprises a sandy loam approximately 12 inches thick underlain by approximately 4 feet of sandy loam and clay.

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. The Satilla Formation sand is typically fine to medium grained and well-sorted. Post-Miocene sediments generally consists 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.

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.

3.4 Hydrogeology

Four major water-bearing zones are present in the Savannah area: surficial saturated zone within the Satilla Formation (shallow aquifer), Upper Brunswick Aquifer, Upper Floridan Aquifer, and Lower Floridan aquifer. The screened sections of monitoring wells installed at the site are within the uppermost saturated zone or shallow aquifer. This zone typically consists of layers of silt and 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 low permeability. Elsewhere in the Savannah area, the Upper Brunswick Aquifer is approximately 20 feet thick with the deeper portions composed of more coarse-grained materials that yield sufficient water to wells to be used as the principal shallow water-bearing unit. Regionally and locally, this Aquifer exists mainly under unconfined conditions. However, past reports indicate that local clay lenses can cause semiconfined 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 below ground surface (bgs). A fine- to medium-grained sand with 0 to 30 percent silt and clay was present in the interval from 10 to 20 feet bgs. A distinctive, bluish-green clay with abundant shell fragments was encountered at approximately

20 feet bgs. This unit exhibits low hydraulic conductivity and does not yield appreciable amounts of groundwater. Below 20 feet bgs, 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 facility. 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 (Clarke, Hacke, and Peck 1990).

3.5 Hydraulic Gradient

The static depth to water was measured in all accessible site wells most recently on December 27 and 28, 2017. 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 direction, from both sides of Dundee Canal. The average hydraulic gradient is 0.007 foot per foot (ft/ft), which is typical of shallow aquifers in the Coastal Plain depositional environment. The hydraulic gradient was calculated to be 0.008 ft/ft on the west side of Dundee Canal based on water level measurements from MW-F13 and MW-F17, while on the east side of Dundee Canal the hydraulic gradient was 0.006 ft/ft as calculated from monitoring wells MW-F9 and MW-F5. Well construction details are provided in Table 1 and groundwater elevations are summarized in Table 5. A potentiometric surface contour map is provided on Figure 4. December 2017 groundwater elevations are consistent with historical groundwater elevations (Appendix B).

A tidal evaluation was conducted at the site within Dundee Canal on August 28 and 29, 2014, to determine if tidal changes exhibited influence on the monitoring well water levels, as requested by GA EPD in a letter dated January 10, 2014 (GA EPD 2014a). The evaluation was completed by installing a wooden stake into the deepest portion of Dundee Canal, located near the SW/SED-3 sample location on the northeastern side of the site (Figure 3). Local tide charts were reviewed, from which the times of low and high tides were determined. The distance from the top of the stake to the water surface of Dundee Canal was measured during low tide. The process was duplicated during the next high tide. These two measurements were compared, and it was determined that Dundee Canal, within the SW/SED-3 area, fluctuates by 1 inch between low and high tides.

The purpose of the tidal evaluation was to determine if tidal-induced fluctuations in Dundee Canal could result in possible upgradient migration of hazardous constituents from the site during periods of high tide. However, during the habitat assessment conducted in August 2014 (Arcadis 2015a), Hercules determined that because Dundee Canal is conveyed through the site via concrete piping, it exits the piping above the natural level of the canal; therefore, the canal upgradient of the site is not tidally influenced.

3.6 Hydraulic Conductivity, Seepage Velocity, and Gradient Summary

Hydraulic testing was conducted on September 28 and 29, 2014 at nine wells on the two VRP properties to evaluate the hydraulic parameters of the shallow and deep aquifers. These tests were conducted by performing a minimum of two slug-out tests to measure the rate of recharge. The tests were performed by first measuring the static water level at each test location. Following the measurement, a Level TROLL 700 transducer was deployed in the well. Tests were initiated by dropping a 3-foot solid slug into the well. The water level was continually monitored until it reached near static levels. At that point, the slug was quickly removed, and the water level was again continuously monitored until levels reached at least 90 percent of the static level, at which point the test was considered complete and the logging was suspended. Results of the hydraulic slug testing are presented below and summarized in Appendix C.

Calculations using the Bouwer-Rice method and Dagan method for an unconfined aquifer were used to calculate the hydraulic conductivity for each well from data collected in the field during the slug test, as presented in the Semiannual Progress Report #4 (Arcadis 2015a). Monitoring wells MW-22, MW-24, MW-F1, MW-F9, MW-F13, and MW-F15 were used to determine the hydraulic conductivity for shallow wells at the site. Hydraulic conductivity in the shallow wells ranged from 0.033 foot per day in MW-F13 to 1.5 feet per day in MW-22, with an average hydraulic conductivity of 0.47 foot per day. The table below shows that calculated seepage velocity in the shallow zone averages approximately 10 feet per year assuming an effective porosity of 0.10 and an average gradient of 0.006 ft/ft as calculated using data from the December 2017 water level gauging event. Monitoring wells MWD-22, MWD-24, and MWD-29 were used to determine the hydraulic conductivity of intermediate wells at the site. Hydraulic conductivity for intermediate wells ranged from 0.06 foot per day in MWD-29 to 0.39 foot per day in MWD-22 with an average hydraulic conductivity of 0.13 foot per day. Calculated seepage velocities in the intermediate zone average approximately 12 foot per year as shown in the table. Monitoring well MWD-F3 was used to calculate the hydraulic conductivity of the deep wells at the site. The hydraulic conductivity for MWD-F3 was calculated to be 0.0081 foot per day and, using December 2017 water level data from MWD-F1 and MWD-F2, the seepage velocity was estimated at less than 1 foot per year.

Zone	Monitoring Well	Groundwater Elevation (feet)	Distance Between Wells (feet)	Hydraulic Gradient (ft/ft)	Groundwater Velocity (feet per year)
Shallow	MW-25	7.42	674	0.002	3.72
	MW-F14	5.96			
	MW-F19	6.29	295	0.012	21.40
	MW-F2	2.61			
	MW-26	7.24	440	0.003	5.42
	MW-F17	5.85			
	Average:			**0.006**	**10.18**
Intermediate	MWD-22	7.08	103	0.047	22.113
	MWD-23	2.28			
	MWD-27	7.19	260	0.007	3.176
	MWD-30	5.45			
	MWD-27	7.19	215	0.023	10.836
	MWD-23	2.28			
	Average:			**0.025**	**12.04**
Deep	MWD-F2	-10.62	423	0.024	0.702
	MWD-F1	-20.67			

Notes:

1. Hydraulic gradient calculated using $i = \frac{h2-h1}{d}$, where h2 is the upgradient water level, h1 is the downgradient water level, and d is the distance between the two wells.

2. Groundwater velocity calculated using $V=\frac{K*i}{\varphi}$, where K is the hydraulic conductivity and ϕ is the porosity of the soil.

3. The estimated effective porosity is 0.10 and average hydraulic conductivities presented in the 2015 PR#4 were 0.47 and 0.13 foot per day, respectively, for the shallow and intermediate well zones.

4. The estimated effective porosity is 0.10 and average hydraulic conductivity presented in the 2015 PR#4 for the deep zone was 0.0081 foot per day.

Vertical hydraulic gradients were evaluated in four nested well pairs located along the northern site boundary. Water level measurement data collected in December 2017 from these well pairs are shown in the table below and indicate that the predominant vertical gradient is downward. A slight upward vertical gradient is noted at the MW-24 and MWD-24 well pair. The strong downward gradient observed at MW-F19 and MWD-F2 between the shallow and deep zones indicates these water-bearing zones are separated by a confining unit and are likely not hydraulically connected. The pronounced drop in water table elevation at MWD-F2 is likely associated with some type of withdrawal from the shallow aquifer that lies below the Satilla Formation sediments.

Well ID	Ground Surface Elevation (feet amsl)	Depth to Well Screen (feet)	Screen Length (feet)	Depth to Water (feet)	Vertical Gradient (ft/ft)	Zonal Flow Comparison	Flow Direction
MW-F19	7.68	10	10	4.18			
MWD-F2	7.80	80	20	21.14	0.2265	shallow to deep	downward
MW-24	7.71	10	10	4.38			
MWD-24	7.67	40	10	4.19	-0.0063	shallow to intermediate	upward
MW-23	7.08	10	10	5.82			
MWD-23	6.83	40	10	6.99	0.0387	shallow to intermediate	downward
MW-22	7.36	10	10	2.67			
MWD-22	7.71	40	10	2.97	0.0101	shallow to intermediate	downward

3.7 Historical Identified Potential Source Areas

As shown on Figure 3, the site includes several current and historical operational areas, including:

- *Hard Resins Area.* This area, located within the central portion of the plant, is used for resin production. This area was also formerly used for rosin processing, but the rosins process was discontinued in 2006. This area is contained by a concrete secondary containment structure. A release of acrolein to groundwater occurred in this area, according to 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 was contained by a concrete secondary containment structure. The Tall Oil Plant was decommissioned/demolished in 2004.
- *Former Dry Size Tank Area.* This area, located west of the Hard Resins Area, contains alkaline storage tanks. These tanks are surrounded by concrete containment structures. The Dry Size Tank 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 occurred at this location, as noted in the June 15, 2000 release notification. The Dry Size Tank Area was decommissioned/demolished in 2006.
- *Former Fatty Acid 50s and 60s Tank Areas.* Prior to 1950, these adjoining areas were used for on-site 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 within a concrete secondary structure. A release of asbestos and benzene to soil and groundwater occurred here, as noted in the July 13, 2000 release notification. As stated in the VIRP, resampling of downgradient wells showed no detections of asbestos above reporting levels. However, based on the February 2011 EPD response submittal, this area will be established as a RUZ and incorporated into the UEC.

- *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 HercobondTM), hydrochloric acid, and sodium hydroxide. This area was formerly used to store fatty acids. This area is contained by a concrete secondary structure.
- *Former CTO 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 decommissioned and removed from this area in 2004.
- *Primary oil/water separator.* This 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 are treated at this separator before being discharged to the wastewater treatment facility – secondary units.
- *Electrical substations.* Two electrical substations are currently located at the plant. The main substation is located on the south side of Warehouses 1, 2, and 3 (No.8526). A second substation is located near the former Tall Oil Plant (No. 8527). Both substations are non-PCB type. PCB-containing transformers/capacitors were historically used at substation No. 8526 and were removed and disposed of in 1990.
- *Dowtherm® Area.* Dowtherm® oil was historically used in this area in connection with the water technologies business. The presence of this constituent in soil is likely a result of past incidental releases from the piping system. The soil surrounding the pipe was excavated as part of the planned construction, and the pipe was plugged with concrete mix and a plumbers cap.

3.8 Fate and Transport Modeling

Arcadis evaluated the potential for constituents in soil to leach from shallow vadose zone soil to groundwater at the site. A Leaching of Chemicals in Soils to Groundwater Model was submitted to the GA EPD in July 2018 (Arcadis 2018) and the data presented in the model are summarized below.

1,1-Biphenyl, Aroclor 1254, and total PCBs were detected in site soil at concentrations exceeding the GA EPD Type 1/2 RRS (Arcadis 2016b), which were used as the site standard for delineation. As a result, these three chemicals were further evaluated to determine if the total soil concentrations present at the site could pose a potential threat to groundwater and to groundwater receptors in accordance with provisions outlined in Georgia Rule 391-3-19, Hazardous Site Response.

A series of standard chemical transport equations were used to evaluate the maximum chemical transport distance in groundwater for each respective compound using the maximum detected soil concentration on site as presented in Appendix D. The calculations accounted for chemical retardation and degradation in groundwater and were based on the Soil Screening Guidance (United States Environmental Protection Agency [USEPA] 1996) and standard chemical transport equations from Contaminant Hydrogeology (Fetter 1999). The evaluation completed is similar to a BIOSCREEN evaluation; however, it also included steps to convert the soil concentrations to a mixed groundwater concentration. The equations were combined in a stepwise approach as follows to estimate the maximum transport distance:

1. *Chemical partitioning from soil to pore water phase (P_w) and equivalent chemical leachate concentration (C_l)* in liters per kilogram and milligrams per liter (mg/L), respectively. The chemical

equilibrium between pore-water concentration and adsorbed soil concentration was used to convert the total soil concentration (C_t) to a pore-water C_l in soil ($C_l=C_t \div P_w$).[1]

2. Dilution attenuation factor (DAF) and mixed groundwater concentration (C_0), dimensionless and in mg/L, respectively. The DAF was used to convert the C_l to a C_0 ($C_0=C_l \div DAF$).
3. *Average seepage water velocity (V_s)* in feet per day. The transport rate (velocity) of groundwater was calculated using site-specific groundwater properties (aquifer hydraulic conductivity [K], the hydraulic gradient [i], and the effective porosity (θ_e); $V_s=[K*i] \div \theta_e$). V_s was used in Step 4.
4. *Chemical-specific retardation factor (R_f) and the resulting chemical-specific transport rate in groundwater (V_c)* dimensionless and in feet per day, respectively. The R_f in conjunction with the V_s (from Step 3) were used to calculate the chemical transport velocity in groundwater ($V_c=V_s \div R_f$).
5. *Chemical degradation rate and time to reach the target groundwater concentrations (C)* in days and days, respectively. The respective chemical half-life (λ) and resulting constant (k), C_0 (from Step 2), and Type 1-2 RSS in groundwater (C) were used to estimate the time (t) it would take each chemical in groundwater to reach their respective C ($t=ln(c \div c_0) \div k$).
6. *Chemical transport distance (d_c)* in feet. The respective V_c and t (from Steps 4 and 5, respectively) are used to estimate the maximum transport distance ($d_c=V_c*t$).

The equations, inputs, calculations, and assumptions are included in Appendix D and follow the six steps outlined above.

The equation inputs and parameters were based on site-specific data, default USEPA or GA EPD values, or on literature values that were considered representative of the site conditions (e.g., soil type). The assumptions used in simulating fate and transport of target analytes are detailed in Appendix D and the primary assumptions are summarized below:

- Infinite soil source mass*
- Instantaneous leaching of maximum soil source leachate concentration to groundwater*
- EPD default DAF of 20 for a ½-acre or less source area
- V_s was based on site-specific average hydraulic gradient (0.008 ft/ft) and highest reported hydraulic conductivity (1.5 feet per day)[1]
- Fraction of organic carbon *(foc)* of 0.002 for *Pw* based on USEPA default[2]
- Groundwater transport calculations do not include dispersion, diffusion, or volatile losses*
- Chemical degradation rate (first order decay)* in groundwater based on the most conservative scenario (i.e., highest reported half-life [lower degradation rate] for anaerobic or aerobic degradation in soil or groundwater).

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[1] Conservatively assumed the total soil concentration was fully adsorbed to soil (i.e., all phases of the chemical were sorbed to soil resulting in a greater pore water phase equilibrium concentration).

[2] Conservatively assumed the total soil concentration was fully adsorbed to soil (i.e., all phases of the chemical were sorbed to soil resulting in a greater pore water phase equilibrium concentration).

- Mixing in the Dundee Canal* was not assessed but would further dilute the groundwater discharge concentration, if any.

Assumptions identified with an asterisk (*) are conservative in nature and thereby result in improving protections to human health and the environment.

The key groundwater flow advection equations are linear in nature. Therefore, the parameters generally have a one to one effect on the maximum transport distance. For example, if the *foc* is doubled, the transport distance would effectively decrease by one-half. Conversely, if the hydraulic conductivity is doubled, the transport distance would double. However, given the conservative approach, the predictions likely overestimate chemical transport distances.

The calculated maximum groundwater transport distances for 1,1-biphenyl, Aroclor 1254, and total PCBs are all less than 4 feet from their respective source area[s] after mixing (see above and Appendix D). The nearest point of compliance or receptor was 15 feet from a location exceeding a Type 3/4 RRS (i.e., distance from soil boring SB-204 to the Dundee Canal). Thus, even if the transport distance was two or three times greater, potential receptors would not be adversely affected.

Site-specific data indicate that 1,1-biphenyl, Aroclor 1254, and total PCB concentrations in groundwater are less than their respective Type 1/2 RRS groundwater standards (Arcadis 2016b), except for 1,1-biphenyl at shallow monitoring well TMW-22. [3] The presence of 1,1-biphenyl in monitoring well TW-22 is likely associated with a small, localized, release of 1,1-biphenyl in the TMW-22 area. TW-22 is more than 2,000 feet from the Dundee Canal and therefore, would not reach the canal at a concentration that would pose unacceptable risk or hazard as shown in the transport calculation presented in Appendix D.

The leaching and fate and transport assessment indicates the chemicals are not mobile in groundwater and will not threaten nearby potential groundwater receptors, including the Dundee Canal. This is consistent with the site-specific data. Thus, the observed soil concentrations are protective of groundwater at the points of compliance.

[3] The depth to groundwater in monitoring well TMW-22 is approximately 8 feet bgs.

4 SITE ENVIRONMENTAL CONDITIONS

Environmental conditions presented in this CSR are based on an accumulation of data collected at the site during historical investigations completed since 2000.

4.1 Risk Reduction Standards

The GA EPD provided revised ("pre-approved") RRS (Type 1 through 4) to Hercules following the submittal of the VIRP (Arcadis 2012; GA EPD 2014a). Hercules used these GA EPD-approved revised Type 1/2 RRS as delineation standards for the VIRP properties during the field investigations outlined in the VIRP and progress reports. Hercules used the GA EPD provided Type 3/4 RRS as the initial screening values for the site-specific criteria. However, Section 12-8-108(6) of the VRPA states that "Any cleanup standard lawfully promulgated pursuant to Code Section 12-8-93 that is protective of human health and the environment and accomplishes the provisions, purposes, standards, and policies of this part may be used without demonstrating that a different cleanup standard is inappropriate or impracticable". Further, the GA EPD's January 5, 2017 comments on Progress Report #7 (GA EPD 2017a) noted that soil concentrations must be protective of groundwater to comply with cleanup standards under the Georgia Rules for Hazardous Site Response and the VRP Act. The GA EPD confirmed during a May 2018 meeting that alternative cleanup standards may be developed and must be based on acceptable risk calculations.

Based on this, criteria for developing a site-specific Type 4 RRS for soil included both an evaluation of the protection of groundwater in addition to criteria for direct contact. Section 12-8-108(5) of the VRPA further provides that compliance with site-specific RRS for soil (Type 4) may be based on soil concentrations for protection of groundwater criteria at an established point of exposure (POE) for groundwater defined under the VRPA. The GA EPD provided RRS are provided in Tables 2, 3, and 4. The calculated site-specific RRS, developed for use in remedial alternatives analysis have been added to Table 2.

4.2 Groundwater

The horizontal and vertical delineation of COPCs in groundwater was accomplished through the installation and monitoring of wells at the site. A site map showing all monitoring well locations is included on Figure 3. Geologic cross-sections were prepared to show the current subsurface conditions at the site. Transect locations are provided on Figure 5. The cross-sectional geologic interpretations of subsurface conditions provided on Figure 5a (along the groundwater flow direction parallel to Dundee Canal), Figure 5b (perpendicular to groundwater flow direction), and Figure 5c (along the groundwater flow direction on the eastern side of the site) include the December 2017 groundwater analytical results and historical soil analytical results.

The A-A' transect is oriented parallel to Dundee Canal and passes through the 30s Tank Area and the former CTO Tank Area (both shown on Figure 3). This cross-section shows that no target analytes are present at concentrations exceeding relevant RRS in either soil or groundwater.

Cross-section B-B' is oriented northwest to southeast and represents site conditions at several potential source areas. This cross-section shows that no target analytes are present at concentrations exceeding

relevant RRS in groundwater. The limited extent of 1,1-biphenyl detections in soil above the Type 1/2 RRS (SB-126 and SB-128) is shown on the northwest portion of Figure 5b and soil results are discussed in Section 4.3.

Cross-section C-C' shows additional potential source areas, as requested by the GA EPD in a letter dated January 10, 2014 (GA EPD 2014a). The locations of the former Fatty Acid 60s Tank Area, the former Tall Oil Plant, the former Dowtherm® Unit, and the primary oil/water separator are represented in this cross-section. This figure shows how limited positive detections of regulated constituents are along this transect and that none of the groundwater results are greater than delineation standards.

Recent groundwater monitoring activities completed at the site include the installation of six shallow groundwater monitoring wells, collection of water-level measurements, and groundwater sampling and analysis. Recent activities completed are summarized below.

4.2.1 Shallow Groundwater Monitoring Well Installation

Six shallow groundwater monitoring wells (TMW-18 through TMW-23) were installed in October 2017, to provide groundwater data downgradient of locations where select PCBs or 1,1-biphenyl were identified in shallow soil at concentrations exceeding the respective Type 1/2 RRS. Data collected from the wells were intended to confirm the absence of any vertical migration of select PCBs or 1,1-biphyenyl from the locations where they were previously identified.

The shallow groundwater monitoring wells were installed as 1-inch-diameter, Schedule 40 polyvinyl chloride (PVC) pipe constructed with a 0.010-inch slotted, 5-foot screen (i.e., pre-packed well) to a total depth of 15 feet bgs and were installed based on field observations of groundwater levels. The shallow groundwater monitoring wells were completed with a Schedule 40 PVC riser to approximately 6 inches below land surface and capped. A No. 1 sand-filter pack was placed around the well screens to approximately 2 feet above the screens. Approximately 1 to 2 feet of No. 00 sand was placed above the filter packs. The remaining annular space was filled to the ground surface with neat cement using the Tremie method. A flush-mount vault was installed around the riser to complete the wells.

The shallow groundwater monitoring wells were developed on October 27, 2017 to remove any potential fine particulate matter, clay, and silt from the well screens. Monitoring wells were then surged and overpumped until a visible reduction in silt content was observed, or a reduction in turbidity was measured with a turbidity meter, to a maximum of 10 well volumes. Turbidity was measured periodically during well development. Soil boring and well construction logs are provided in Appendix E and well construction details are included in Table 1.

4.2.2 Groundwater Sampling Methodology

Well purging and sampling were completed using a peristaltic pump and low-flow, low-purge volume sampling methodologies following the USEPA Region 4 Science and Ecosystem Support Division (SESD) operating procedures, dated September 19, 2017 (USEPA 2017d), for groundwater sampling to ensure a representative sample is collected and to minimize the quantity of well purge water generated during sampling. Prior to initiating pumping, a properly decontaminated water-level meter was lowered into the well to monitor static water level prior to and during the purging process.

During purging and sampling, the Teflon® tubing intake was placed at the mid-portion of the screened interval of the well. Flow rates were maintained at levels less than the recharge rate of the aquifers by measuring the top of the water column with a water-level indicator while purging. With respect to the groundwater chemistry, an adequate purge was complete when the measurements of pH and specific conductance had stabilized, and the turbidity had either stabilized or was less than 10 nephelometric turbidity units (NTUs [twice the Primary Drinking Water Standard of 5 NTUs]). Stabilization occurred when pH measurements remained constant within 0.1 s.u. and specific conductance varied no more than 5 percent for at least three consecutive readings and NTU measurements were 10 or less. Groundwater samples were collected following the USEPA-accepted “soda straw” sampling method when water quality parameters had been reached. Field readings of pH were taken from each monitoring well prior to sampling and the readings range from 4.39 to 7.27 s.u.

Once field parameters were considered stable for three consecutive measurements, groundwater samples were collected in clean, laboratory-supplied containers. All sample bottles were labeled with indelible ink, sealed, placed in a cooler with wet ice, and cooled to 4 degrees Celsius (°C). Samples were delivered under appropriate chain-of-custody protocols to TestAmerica Laboratories, Inc., located in Savannah, Georgia (TestAmerica) for analysis in accordance with the parameters and methods listed in Table 6. Well purging and sampling logs from the 2017 comprehensive groundwater monitoring event are provided in Appendix E.

4.2.3 Comprehensive Groundwater Monitoring Event

In accordance the GA EPD request (GA EPD 2017) and subsequent discussions with the GA EPD, a comprehensive groundwater monitoring event was completed in December 2017, with several monitoring wells resampled in early 2018 as a result of sampling issues. In addition, TMW-22 was resampled in May 2018 to confirm laboratory analytical results from the December 2017 event. The 2017 comprehensive groundwater monitoring event included the collection of water-level measurements from 41 on-site monitoring wells (Table 5) and groundwater samples from 14 monitoring wells (Table 6).

4.2.4 Groundwater Sampling Analytical Results

Analytical results from the 2017 comprehensive groundwater monitoring event indicate a limited distribution of COPCs at the site. Laboratory analytical results from the comprehensive groundwater monitoring event are provided in Table 7 and summarized below:

- *Volatile organic compounds (VOCs).* Laboratory analyses indicate that trace concentrations of VOCs were present in several groundwater samples; however, all VOC detections were less than the Type 1-4 RRS.
- *Semivolatile organic compounds (SVOCs).* 1,1-Biphenyl was the only SVOC detected at a concentration greater than the Type 1/2 and 3/4 RRS. The 1,1-biphenyl concentration in the sample collected from temporary shallow groundwater monitoring well TMW-22 in December 2017 was 1,400 micrograms per liter (µg/L), which exceeds the Type 1/2 and 3/4 RRS of 10 µg/L. A confirmation sample was collected from TMW-22 in May 2018, which had a 1,1-biphenyl concentration of 840 µg/L.

- *Aroclors and PCBs.* Aroclor concentrations in the samples collected from shallow groundwater monitoring wells MW-F3R, TMW-19, TMW-21, and TMW-23 were less than the laboratory detection limit. Laboratory analyses indicate that trace concentrations of PCBs were present in several groundwater samples; however, all PCB detections were less than the Type 1-4 RRS.
- *Dioxins/furans and 2,3,7,8-TCDD TEQ.* Dioxin/furan concentrations in the samples collected from groundwater monitoring wells TMW-19 and TMW-21 were less than the laboratory detection limit, while 2,3,7,8-TCDD TEQ concentrations were 0.27 and 0.021 picogram per liter, respectively. The GA EPD requires that detected concentrations of the 12 dioxin-like PCB congeners be addressed using the toxicity equivalency factor method along with the detected dioxins and chlorinated dibenzofurans. A discussion of how risk from constituent classes which include dioxins, furans, and dioxin-like PCBs using the toxicity equivalency method is provide in Section 5.1.7.
- *Asbestos.* The asbestos concentration in the sample collected from shallow groundwater monitoring well MW-F15 was less than the laboratory detection limit.
- *Pesticides.* Pesticide concentrations in the sample collected from shallow groundwater monitoring well MW-F3R were less than the laboratory detection limit.

Groundwater results from the 2017 groundwater monitoring event for the shallow and deep aquifers are summarized on Figures 6 and 7, respectively. Laboratory analytical reports for the 2017 comprehensive groundwater monitoring event are included in Appendix F.

4.2.5 Groundwater Delineation Status

Groundwater data from the 2017 comprehensive groundwater monitoring event were compared to the Type 1/2 RRS for delineation of groundwater at the site. Only one compound, 1,1-biphenyl, was identified at a concentration greater than its respective Type 1/2 RRS (10 µg/L; see Figure 8) in shallow groundwater monitoring well TMW-22, located in the Dowtherm® Area Unit 2024. No other detections of 1,1-biphenyl were noted on site during this monitoring event. In addition, historically detected naphthalene in well MW-F21 was present at a concentration of 4.5 µg/L, which is less than the Type 1/4 RRS of 20 µg/L. Historical groundwater analytical results for the site are provided in Appendix G and the current delineation status for the site is provided on Figure 8.

Based on the current and historical groundwater data available for the site, detected concentrations in groundwater are delineated within the property boundaries. Further, groundwater modelling activities (Section 3.8) show that residual concentrations of 1,1-biphenyl in groundwater will migrate less than 1 foot in groundwater prior to attenuating to acceptable concentrations. Based on this data evaluation, concentrations of compounds are considered delineated at the site and will require no additional action.

4.3 Soil Investigation Summary

Based on laboratory analytical results from the 2014 and 2015 soil investigations, additional soil samples were most recently collected at the site in October and December 2017 to further delineate the extent of previously detected PCBs and 1,1-biphenyl concentrations in soil exceeding the Type 1/2 RRS. As part of the 2017 investigation, soil samples were collected from 59 locations across the site, in accordance with

the sampling and analysis plan provided in Table 8. The sampling methodology, rationale, and analytical results for the 2017 soil investigations are summarized below.

4.3.1 Soil Sample Methodology

Supplemental soil investigation activities were conducted in 2017 to delineate regulated substances previously identified at concentrations greater than Type 1/2 RRS. Soil samples were collected from select depths at each location, targeted to match the interval where detections were previously identified. A hand auger was used to complete each soil boring. From each boring, one composite soil sample was collected at the selected depth interval.

Each soil sample was placed in a clean, laboratory-supplied container. All sample containers were labeled with indelible ink, sealed, placed in a cooler with wet ice, and cooled to 4 °C. Samples were delivered under appropriate chain-of-custody protocols to TestAmerica for analysis of PCBs USEPA Method 1668) or 1,1-biphenyl (USEPA Method 8270D).

The location of each boring was recorded using a hand-held global positioning system unit. At the completion of each boring, the location was properly abandoned by adding neat Portland Type 1 cement from the base of the borehole to ground surface. Soil borings were containerized in Department of Transportation approved 55-gallon drums for future transport to an approved disposal facility. Details of the 2017 soil samples are summarized in Table 8. Field observations and lithology were recorded on the soil boring logs, which are provided in Appendix E.

4.3.2 2017 Soil Investigation Activities

Historical investigations have been successful in delineating detected compounds within the limits of the site. While delineation efforts have been successful within the site boundary, additional delineation activities were historically completed in an effort to refine this delineation to more localized areas. Soil samples collected as part of the 2017 soil investigation were intended to refine the delineation at specific locations across the site. Details of this investigation presented in in the following sections.

4.3.3 2017 Soil Investigation Results

This section summarizes analytical results by COC for soil samples collected during the 2017 soil investigation.

4.3.3.1 Polychlorinated Biphenyls

Analytical results of PCB analysis for the 2017 soil investigation are provided in Table 9; on Figures 9a, 9b, and 9c; and summarized below:

- *Hard Resins Area (Figure 9a).* Three soil samples (SB-204-1, SB-204-2, and SB-204-3) were collected around SB-204 from the 0- to 2-foot interval and analyzed for Aroclor 1254, PCBs, and 2,3,7,8-TCDD TEQ during the October 2017 soil investigation. All three samples exceeded the Type 1 RRS for one or more constituents during the October 2017 soil investigation. Five additional soil samples (SB-204-1A, SB-204-2A, SB-204-2B, SB-204-3A, and SB-204-3B) were collected around the SB-204 location during the December 2017 soil investigation to further delineate the October

2017 exceedances. Laboratory analytical results of these samples identified no concentrations of Aroclor 1254, PCBs, or 2,3,7,8-TCDD TEQ greater than their respective Type 1 RRS.

Three soil samples (SB-207-1, SB-207-2, and SB-207-3) were collected around SB-207 from the 0- to 2-foot interval and analyzed for PCBs and 2,3,7,8-TCDD TEQ during the October 2017 soil investigation. Laboratory analytical data for all three samples showed no concentrations greater than their respective Type 1/2 RRS for PCBs and 2,3,7,8-TCDD TEQ.

- *Electrical Substation 8526 Area (Figure 9b).* Four soil samples (SB-122-1 through SB-122-4) were collected around SB-122 from the 0- to 1-foot interval and analyzed for Aroclor 1254 during the October 2017 soil investigation. All four samples were less than the Type 1/2 RRS of 1.55 milligrams per kilogram (mg/kg) for Aroclor 1254.
- *Former Dry Size Tank Area (Figure 9c).* One soil sample (SB-137-1) was collected near SB-137 from the 0- to 1-foot interval and analyzed for Aroclor 1254 during the October 2017 soil investigation. Aroclor 1254 concentrations in SB-137-1 (4.4 mg/kg) were greater than the Type 1 RRS of 1.55 mg/kg. One additional sample (SB-137-1A) was collected to the north of SB-137-1 to further delineate the area around SB-137. Aroclor 1254 concentrations in SB-137-1A (3.7 mg/kg) were greater than the Type 1 RRS of 1.55 mg/kg.

  Two soil samples (SB-202-1 and SB-202-2) were collected around SB-202 from the 0- to 2-foot interval and analyzed for Aroclor 1254, PCBs, and 2,3,7,8-TCDD TEQ during the October 2017 soil investigation. Aroclor 1254 and PCB concentrations in SB-202-1 were greater than the respective Type 1 RRS. One additional sample (SB-202-1A) was collected to the northeast of SB-202-1 to further delineate the area around SB-202. No concentrations of Aroclor 1254 or total PCBs were present in SB-202-1A at concentrations greater than their respective Type 1 RRS.

Figure 11 provides comprehensive historical PCB sample locations and analytical results.

Previous investigations completed at the facility identified the presence of select PCBs (total PCBs, Aroclor 1254, and 2,3,7,8-TCDD TEQ) at select locations throughout the site including the electrical substations, former Dry Size Tank Area, and Hard Resins Area. Select compounds were identified at concentrations greater than their respective Type 1/4 RRS. Subsequent phases of investigation were completed in 2017 to delineate these compounds in shallow soil.

In the Hard Resins Area, samples collected were successful in delineating total PCBs and 2,3,7,8-TCDD TEQ to concentrations less than their respective RRS near sample SB-207. Additional delineation efforts near SB-204 were successful in delineating Aroclor 1254, total PCBs, and 2,3,7,8-TCDD TEQ to the north and south. However, sampling efforts to the northeast and southwest were limited due to existing structures and surficial covers (Figure 9a).

Near the Electrical Substation 8526 Area, samples collected around sample SB-122 (October 2014) were successful in delineating the presence of Aroclor 1254 in shallow soil (Figure 9b).

In the former Dry Size Tank Area, delineation efforts near the 2014 samples SB-137 (Aroclor 1254) and SB-202 (Aroclor 1254, total PCBs, and 2,3,7,8-TCDD TEQ) were successful to the south, east, and west. However, the presence of surficial cover limited subsequent sampling in the northern direction (Figure 9c).

Based on the results of historical and recent sampling efforts, delineation of select PCB compounds is deemed complete. Where samples were unable to be collected, structures and/or surficial cover are present that would eliminate the potential for surficial soil impacts. In addition, when evaluating the delineation of PCB compounds on a site-wide basis, it is shown as complete (Figure 11). The site-wide delineation, coupled with the UEC for the site, remains protective of human health and the environment.

4.3.3.2 1,1-Biphenyl

Analytical results for the 2017 soil investigation associated with 1,1-biphenyl delineation are provided in Table 9; on Figures 10, 10a, 10b, and 10c; and summarized below:

- *Dowtherm® Area Unit 2028 (Figure 10a).* A total of 21 soil samples were collected in the Dowtherm® Area Unit 2028 from the 0- to 1-foot or 0- to 2-foot intervals and analyzed for 1,1-biphenyl. Sample locations were selected to delineate historical 1,1-biphenyl detections in 2014/2015 samples. Of the samples collected, only one sample (EX-21-1) had 1,1-biphenyl at a concentration (1.5 mg/kg) greater than the Type 1/2 RRS of 1 mg/kg during the October 2017 soil investigation. One additional sample (EX-21-1A) was collected to further delineate the EX-21-1 location during the December 2017 soil investigation. Analytical results for EX-21-1A showed 1,1-biphenyl concentrations were less than the laboratory detection limit.
- *Former Dry Size Tank Area (Figure 10b).* Four soil samples (DS-9-1 through DS-9-4) were collected in the former Dry Size Tank Area to delineate a previously detected 1,1-biphenyl concentration in sample location DS-9 (November 2008) from the 0- to 4-foot interval. Sample DS-9-1 encountered auger refusal at 2 feet bgs, so a sample was collected at the 0- to 2-foot interval. Laboratory analysis of sample (DS-9-2) identified 1,1-biphenyl at a concentration of 2.5 mg/kg, which is greater than the Type 1/2 RRS of 1 mg/kg, during the October 2017 soil investigation. One additional sample (DS-9-2A) was collected to further delineate the DS-9-2 location during the December 2017 soil investigation. Analytical results for DS-9-2A showed 1,1-biphenyl concentrations (0.11 mg/kg) were less than the Type 1/2 RRS of 1 mg/kg.
- *Dowtherm® Area Unit 2024 (Figure 10c).* Nine soil samples were collected in the Dowtherm® Area Unit 2024 from the 0- to 1-foot or 0- to 2-foot interval and analyzed for 1,1-biphenyl. Sample locations were selected to delineate historical 1,1-biphenyl detections in 2014/2015 samples. Laboratory analytical results showed two samples (SB-128-1 and SB-159-3) containing 1,1-biphenyl concentrations greater than the Type 1/2 RRS of 1 mg/kg during the October 2017 soil investigation. Three additional soil samples (SB-128-1A, SB-128-1B, and SB-159-3A) were collected to further delineate the SB-128-1 and SB-159-3 locations as part of the December 2017 soil investigation. Analytical results for SB-128-1A (210 mg/kg) showed 1,1-biphenyl concentrations were greater than the Type 1/2 RRS; however, analytical results for SB-128-1B, which was collected to further delineate the SB-128-1A location, showed 1,1-biphenyl concentrations were less than the laboratory detection limit. Analytical results for SB-159-3A (an estimated 0.3 mg/kg) showed 1,1-biphenyl concentrations were less than the Type 1/2 RRS.

Historical 1,1-biphenyl sample locations and analytical results are provided on Figure 12.

Recent soil investigation activities have been focused on completing delineation activities near the locations of samples DS-9, SB-126, SB-128, SB-159, as well as at several locations within the former

Dowtherm® Area Unit 2028. To complete delineation of 1,1-biphenyl, it was necessary to collect samples in multiple phases.

Analytical results of this effort resulted in a more complete understanding of the presence of 1,1-biphenyl on site. The presence of 1,1-biphenyl in soil was delineated within the Dowtherm® Area Unit 2028, as well as in the former Dry Size Tank Area (Figures 10a and 10b). In the Dowtherm® Area Unit 2024, delineation was complete along the majority of the area, but was not fully completed due to the structure present on the northeast side of the SB-126 area (Figure 10c).

Based on the results of these recent phases of investigation, delineation of the 1,1-biphenyl in soil is deemed complete. It should be noted further that delineation of 1,1-biphenyl within the site boundaries is also considered complete, as shown on Figure 12.

4.3.3.3 Aniline

Aniline has only been detected at concentrations greater than the Type 1/2 RRS in one soil boring (SB-F3) located within the Hard Resins Area. Subsequent soil sampling has indicated no additional positive detections greater than the delineation standards at the site. Therefore, delineation is complete for this compound. The historical and August 2014 aniline analytical results are included in Appendix G.

4.4 Surface Water and Sediment Investigation Summary

Surface water and corresponding sediment samples were collected as part of the November 2000 and August 2014 site investigations. During the 2000 investigation, four surface water/sediment samples (SW/SED -F2, SW/SED -F3, SW/SED -F4, and SW/SED -F5) were collected from locations approximately 200, 700, 1,200, and 3,000 feet downstream (north) of the plant outfall (Figure 3; Arcadis 2012). During the 2014 investigation, three surface water/sediment samples (SW/SED -01, SW/SED -02, and SW/SED -03) were collected from locations along the Dundee Canal, upgradient from the site, within the site prior to the culverted section, and downgradient of the site (Figure 3; Arcadis 2015a).

4.4.1 Surface Water and Sediment Sample Methodology

Surface water samples were collected following the USEPA SESDPROC-201-R4 Surface Water Sampling Standard Operating Procedure dated December 16, 2016 (USEPA 2016c). Samples were collected directly into the sample container from a location approximately halfway between the center of the canal and the water line on the bank. The samples were collected while facing in the upstream direction to avoid disturbing the water and were collected in a way that prevented the preservation from the sample vials from being displaced while the bottles were being filled. Field parameters, including pH, specific conductance, temperature, dissolved oxygen, and oxidation-reduction potential, were collected at each location. Field records for sample collection are provided in the Semiannual Progress Report #4 (Arcadis 2015a).

After the surface water samples were collected, sediment samples were collected at a location directly below each of the surface water sample locations. The sediment samples were collected using a decontaminated stainless-steel scoop or spoon. The scoop or spoon was run along the surface of the streambed in a downstream to upstream direction. Excess water was removed from the sediment; however, some water was retained to ensure that silt and clay-sized particles were included in the

sample. The sediment from the scoop was placed into a stainless-steel bowl and the process was repeated until enough sediment had been collected to fill the sample jars. Surface water and sediment sample locations were recorded on a map, based on measurements to two known points after the sampling was completed. Sample locations are shown on Figure 3.

Surface water and sediment samples were placed in a laboratory-supplied container and stored in sealed, ice-filled coolers. All samples were hand delivered to a Georgia-certified laboratory (TestAmerica) under appropriate preservation and chain-of-custody procedures. Surface water samples were analyzed for fluoride and ammonia (USEPA 300.0), SVOCs (USEPA SW-846 8270D), and VOCs (USEPA SW-846 8260B). Sediment samples were analyzed for dioxins (USEPA 8290A), SVOCs (USEPA SW-846 8270D), VOCs (USEPA SW-846 8260B), total organic carbon (TOC using the Lloyd Kahn Method), and grain size (ASTM International Method ASTM D422).

4.4.2 Sediment and Surface Water Analytical Results

Analytical results for surface water from the 2000 investigation indicated that regulated substances (1-4-dioxane, ammonia, and fluoride) were present at concentrations less than the in-stream water quality criteria (IWQC) and the Type 1 RRS. Analytical results for surface water from the August 2014 investigation indicate that fluoride, ammonia nitrogen, and n nitrosodi-n-butylamine were detected less than the Type 1 RRS. No other constituents were detected in surface water samples. The surface water results are presented in Appendix G.

Analytical results for corresponding sediment samples from the 2000 investigation indicated that regulated substances (acetone, benzo(a)pyrene and bis(2-ethylhexyl)phthalate) were present in sediment at concentrations less than the calculated RRS. Additionally, trace concentrations of several dioxins and furans were detected in the composite sample, but at concentrations less than the RRS. Analytical results from the corresponding sediment samples from the August 2014 investigation indicate that the only detection in sediment greater than the Type 1 RRS was for 2,3,7,8-TCDD TEQ. The 2,3,7,8-TCDD TEQ slightly exceeded the nonresidential RRS in only one of the three sediment samples (SED-2). The 2,3,7,8-TCDD TEQ values were less than the residential RRS in the two samples collected both upgradient and downgradient in the Dundee Canal outside the VRP area (SED-1 and SED-3). August 2014 sediment samples were also collected from Dundee Canal to determine TOC concentrations, which ranged from 9,800 mg/kg in SED-3 to 20,000 mg/kg in SED-2. The potential for exposure to constituents in sediment in that area is negligible for the industrial worker receptor under current conditions due to the remote location of the area and lack of need to access the area (e.g., for landscaping activities). The sediment sample results are presented in Appendix G.

4.4.3 Sediment and Surface Water Delineation Status

The only constituents detected in surface water were 1,4-dioxane, ammonia, ammonia nitrogen, fluoride, and n nitrosodi-n-butylamine. GA EPD IWQC were not available for ammonia, nitrogen, and n nitrosodi-n-butylamine; therefore, they were compared to groundwater Type 1 RRS. None of the detected constituents were present at maximum concentrations that were greater than the applicable IWQS or Type 1 RRS. Therefore, the delineation of regulated compounds in surface water is complete.

The only constituents detected in sediment were acetone, benzo(a)pyrene, bis(2-ethylhexyl)phthalate, and dioxins and furans. Acetone, benzo(a)pyrene, and bis(2-ethylhexyl)phthalate were present at concentrations less than the RRS, while the total dioxin and furan 2,3,7,8-TCDD TEQ was greater than the soil Type 1/2 RRS at one location, SED-2. This sample is delineated both upstream and downstream, so the delineation of regulated compounds in sediment is complete.

5 UPDATED RISK ASSESSMENT

An update to the 2014 risk assessment was completed in September 2018. The risk assessment was revised to include data collected during the 2017 comprehensive groundwater monitoring event as well as data collected from the 2017 and 2018 soil investigations.

5.1 Risk Assessment Overview

An HHRA and a SLERA were conducted for the site following GA EPD VRP requirements consistent with USEPA guidance for risk assessments (USEPA 1989, 1997, 1998, 2002a, 2002b, 2004, 2009, 2018a, 2018b, 2018c, 2018d, 2018e) in consideration of GA EPD recommendations and comments provided in a letter dated December 29, 2014 (GA EPD 2014b). The purpose of the risk assessments was to evaluate the effect of potential exposures to site-related constituents to human and ecological receptors identified at the site. The dataset used to complete the assessments is common to both the HHRA and the SLERA and is presented first and followed by separate sections for the HHRA and the SLERA. The RRS used in the assessments are those approved by GA EPD in their January 10, 2014 comment letter (GA EPD 2014a; Table 2), unless toxicity values were available and the RRS were revised. Tables supporting the risk assessment are presented in Appendix H.

Site-related data were evaluated for usability and further organized into risk assessment datasets. Only data determined to be representative of current conditions were used in the risk assessments. In this section, the methods that are used to evaluate the data acquired during investigational activities and to identify risk assessment datasets are summarized.

5.1.1 Data Quality

Quality assurance and quality control procedures were routinely used during investigation activities to evaluate analytical data quality. Analytical data from the laboratory were validated to evaluate the sample preservation and shipping methods, holding times, laboratory blanks, laboratory control samples, and matrix spikes.

5.1.2 Data Usability

The available data from all investigations were evaluated for use in the risk assessments. The following were considered in the data evaluation: sample date, sample type (e.g., primary or duplicate), data qualifications, and the vertical and spatial distribution of the data.

5.1.3 Sample Date

Including older data in risk assessment datasets can result in an overestimation of risk because concentrations from old data may not be reflective of current conditions due to chemical transformation and transport processes such as degradation and volatilization. However, it is often unavoidable with soil data at a site when investigation activities have spanned several years. At this site, soil data were gathered starting in 1998 and the most recent data were collected in 2017. All soil data, regardless of

age, were used in the risk assessments. The conservative approach taken in this risk assessment therefore likely overestimates risk and hazards in soil at this site.

For groundwater, data from the last 3 years (2015 through 2018) were used in the risk assessments to reflect current conditions. This is because several of the constituents are known to degrade through time; therefore, historical groundwater data could overestimate potential exposure and subsequent risk. Surface water data from samples collected in 2014 were used in the SLERA, considering no more recent surface water data are available.

5.1.4 Sample Type

Where there are duplicate results due to field duplicate samples or duplicate analyses (e.g., naphthalene), the maximum detected concentration or the minimum detection limit for non-detected constituents was used as the concentration. Further, data from composite soil samples were not used in the risk assessments.

The results of two historical samples taken at a location referred to as “Confirmation Sample” were excluded from the risk assessment datasets. An unsubstantiated concentration of acrolein equal to the reporting limit was reported in 2000 at that location (as documented in the February 2011 response to GA EPD comments on the 2009 CSR Addendum #2 [Arcadis 2011]); therefore, the area was resampled in August 2014, consistent with the Voluntary Investigation and Remediation Plan Work Plan (VIRP Work Plan; Arcadis 2012) and a sample at SB-131 was acquired. The results from sample SB-131 will be used in lieu of historical results at the same location.

5.1.5 Data Qualifications

All qualified data with the exception of rejected data were assessed for inclusion in the risk assessment dataset. Laboratory-qualified data with the following data qualifiers were retained within the dataset:

- U = Not detected greater than the reporting limit.
- B = For organic constituents, the analyte was also detected in the blank; for metals, the analyte concentration is estimated.
- D = Compounds identified in an analysis at a secondary dilution filter.
- E = Result exceeded calibration range.
- G = The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference.
- J = Value is estimated.

5.1.6 Vertical and Spatial Data Distribution

Groundwater data collected from the surficial saturated zone were combined into the groundwater risk assessment dataset, consistent with USEPA recommendations (USEPA 2014c).

Soil data were excluded from the risk assessment datasets if the data were collected from outside the VRP site boundaries, were considered saturated soil, or came from composite samples. The site is

defined as the two tracts that comprise HSI Site ID No. 10696 and are owned by Solenis, but whose environmental impacts are being managed by Hercules (Figure 1). Data from those two parcels were used in the risk assessments. Data from areas outside those two parcels were excluded. Saturated soil samples were excluded from the risk assessment dataset because those data are reflective of groundwater conditions (not soil conditions). Further, exposure to soil at that depth is not likely to occur because it is highly unlikely that any excavation at the site will be deeper than 6 feet (for example, as may be required for basements) because of the shallow depth to groundwater at the site. The only excavation expected would be related to trenches for utility installation, which are typically between 3 to 6 feet in depth. Sample locations and sample names and depths excluded from the risk assessments and the reasoning are presented in Appendix H, Table H-1.

5.1.7 Evaluation of Constituent Classes

Select constituents, especially those in the same class of compounds, behave similarly, and therefore were grouped together for evaluation in the HHRA and SLERA, as discussed below.

The toxicity of dioxins, furans, and dioxin-like PCBs (non-orthosubstituted PCB congeners PCB-77, PCB-81, PCB-126, PCB-169; and mono-orthosubstituted PCB congeners PCB-105, PCB-114, PCB-118, PCB-123, PCB-156, PCB-157, PCB-167, and PCB-189) has been studied in relation to the toxicity of 2,3,7,8-TCDD. The data for PCB-180 were reported by the laboratory as PCB-180/193; thus, assuming the reported concentrations of these two PCBs are equivalent to PCB-180 may be a conservative assumption. To evaluate exposure to these compounds, their 2,3,7,8-TCDD TEQs were calculated using the USEPA recommended toxicity equivalency factors (TEF) (USEPA 2010).

The following groups of constituents were prepared for evaluation in the HHRA:

- *Total dioxin and furan 2,3,7,8-TCDD TEQ.* The sum of TEQs of the dioxins and furans.
- *Total dioxin-like PCBs 2,3,7,8-TCDD TEQ.* The sum of the TEQs of the dioxin-like PCB congeners.
- *Total dioxin, furan, and dioxin-like PCBs 2,3,7,8-TCDD TEQ.* The sum of total dioxin and furan 2,3,7,8-TCDD TEQ and total dioxin-like PCBs 2,3,7,8-TCDD TEQ.
- *Total non-dioxin-like PCBs.* The sum of all PCB congeners not considered to be dioxin-like.

The total concentrations in each sample for each constituent class are calculated and presented in Table H-2 for soil and Table H-3 for sediment. Individual compounds (e.g., individual PCB congeners) listed for groups of compounds (i.e., total dioxin-like PCBs) were not included in the estimation of total concentration if they are nondetect (qualified with “U” or “UJ”) and nondetect values were set equal to zero. When calculating TEQ for dioxins, samples from 2000 and 2017 were used as the 2014 samples only provided values for totals (e.g., total pentachlorodibenzofurans) as opposed to specific dioxin congeners.

5.1.8 Risk Assessment Datasets

Risk assessment datasets compiled for use at the site were summarized in tables to present the frequency of detection, range of detection limits, range of detected values, and location and depth (for soil) or date (for groundwater, sediment and surface water) of the sample where the maximum detect was

identified. The soil Type 1/2 RRS and the groundwater Type 1 RRS are also shown in those tables. The risk assessment datasets are discussed below.

5.1.8.1 Soil

The dataset used for the soil risk assessment is summarized in Table H-4. Constituents present at maximum concentrations greater than their respective residential and nonresidential RRS include aniline, 1,1-biphenyl, 2,3,7,8-TCDD TEQ of dioxin-like PCBs, a 2,3,7,8-TCDD TEQ of dioxins and furans and dioxin-like PCBs, and Aroclor 1254. As noted in Section 4.3.3.3, aniline has only been detected at a concentration greater than Type 1/2 RRS in one soil boring at SB-F3, located in the Hard Resins Area. As noted in Section 3.3.2.1, 1,1-biphenyl has been detected at concentrations exceeding its RRS at the former Dowtherm® Area Units located on the western and eastern portions of the site. The maximum detected concentration of 1,1-biphenyl was 4,400 mg/kg in the 0 to 1 foot bgs sample at SB-128, with the next highest concentration of 1,200 mg/kg in sample EX-19 in the interval from 0 to 2 feet bgs. The maximum detected concentrations of 2,3,7,8-TCDD TEQ of dioxin-like PCBs and 2,3,7,8-TCDD TEQ of dioxins and furans and dioxin-like PCBs were in soil boring SB-204 at concentrations of 5x10-4 and 5.1x10-4 mg/kg, respectively. The maximum concentration of Aroclor 1254 greater than Type 1/2 RRS was detected in soil boring SB-122.

5.1.8.2 Groundwater

The groundwater risk assessment dataset is summarized for shallow and deep groundwater in Tables H-5a and H-5b. Constituents present at concentrations greater than their respective Type 1 RRS for shallow groundwater are 1,1-biphenyl, biphenyl ether, and naphthalene. These constituents were detected at concentrations greater than their Type 1 RRS in two wells (TMW-22 and MW-F21) within the last 3 years. This impact appears to be localized because the constituents were not detected in downgradient well MW-F5 (see Section 3.2.2). No constituents were present at maximum concentrations greater than the Type 1 RRS for deep groundwater.

5.1.8.3 Sediment

Detected constituents in sediment included acetone and dioxins and furans as summarized in Table H-6. Acetone was present at concentrations less than the RRS, while the total dioxin and furan 2,3,7,8-TCDD TEQ was greater than the soil Type 1/2 RRS.

5.1.8.4 Surface Water

Detected constituents in surface water included ammonia, fluoride, and n nitrosodi-n-butylamine. A Georgia IWQC are not available for those constituents (GA EPD 2015); therefore, they were compared to groundwater Type 1 RRS. The only constituent present at concentrations exceeding the Type 1 RRS was n-nitrosodi-n-butylamine as summarized in Table H-7.

5.2 Human Health Risk Assessment

Consistent with the USEPA HHRA framework (USEPA 2014a), the first step of the HHRA is the human health problem formulation, or the human health exposure CSM. Following the development of the CSM,

the other elements of the HHRA are presented in the following order: selection of COPCs and media of concern, toxicity assessment, exposure assessment, and risk characterization. Each of these elements of the HHRA is further described below.

5.2.1 Human Health Exposure Conceptual Site Model

The human health exposure CSM identifies the sources of potential impact as well as constituent fate and transport mechanisms, primary receptors, exposure points, and exposure routes. Combined, these four elements (source, transport mechanism, receptors, and exposure point 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.

5.2.1.1 Sources

The site has been in operation since 1922. The plant was a rosin and paper chemical manufacturing facility. Historical site operations included distillation of crude tall oil and production of sizing release agents, emulsifiers, coating agents, defoamers, fatty acid esters, disproportionated rosin, and polyamides. Several releases have been reported at the site; therefore, a variety of potential source areas exist as the facility. Historical operations may have potentially impacted soil, groundwater, sediment, and surface water at the site.

5.2.1.2 Transport Mechanisms

The mechanisms affecting the distribution and migration of constituents from the release source and their ultimate fate in the environment were identified in the VIRP Work Plan (Arcadis 2014). 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.

5.2.1.3 Potential Human Receptors

The site is currently owned and operated by Solenis LLC as a facility that 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. 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. Zoning at the site is industrial and is expected to continue to remain as such. Therefore, the only on-site 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.

5.2.1.4 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 discussed below.

5.2.1.4.1 Groundwater Exposure Pathways

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 1-mile radius of the site (Appendix I). Four production wells were identified within the 1-mile search radius in addition to the wells owned and operated by Solenis at the site. Data provided in the Environmental Data Resources, Inc. 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 Floridian 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 pumping municipal wells screened in the Floridian aquifer system. No municipal public supply wells were identified with a 1-mile radius of the site. No off-site groundwater withdrawal points (e.g., municipal supply wells) were identified that could potentially influence groundwater flow in the surficial aquifer at the site.

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.

Given the presence of buildings at the site, the vapor intrusion pathway was evaluated for constituents that exceeded the RRS and vapor intrusion screening level (VISL; USEPA 2018f) values. This is discussed further in Section 5.2.2.2.

5.2.1.4.2 Potential Soil Exposure Pathways

The parcels are almost completely covered with buildings or other structure; 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 on-site construction/excavation worker. Further, in the case of potential 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:

- *Current on-site industrial worker.* Inhalation of vapors from the subsurface.
- *Future on-site industrial worker.* Incidental ingestion of and dermal contact with soil, and inhalation of soil-derived particulates or vapors.
- *Current/future on-site construction/excavation worker.* Incidental ingestion of and dermal contact with soil, and inhalation of soil-derived particulates or vapors.

5.2.1.4.3 Sediment and Surface Water Exposure Pathways

The Dundee Canal crosses the site in a southwest to northeast direction and exits toward the east where it eventually joins the Savannah River approximately 2.5 miles northeast of the site. The Dundee Canal is a man-made structure that extends through the City of Savannah. While traversing the site, a portion of the canal is enclosed in a culvert, daylighting at the northern border of the property. No industrial discharge from the site other than surficial storm drainage and noncontact waters enters Dundee Canal. Industrial wastewater from the facility is discharged to the City of Savannah sanitary sewer system under Industrial Discharge Permit No. 25348-15. On-site surface water consists of overland flow during precipitation events and surface water that flows through the underground conduit portion of Dundee Canal.

The potential for exposure to constituents in sediment and surface water in the open sections of the ditch and canal is low due to the infrequent use of the ditch in this area by potential receptors. The potential for exposure to constituents in sediment and surface water at on-site locations is negligible for the industrial worker receptor under current conditions due to the remote location of those areas. Landscaping activities do not occur in or adjacent to the culverted sections of Dundee Canal or in areas where Dundee Canal is open-air (western portion of the facility).

The recreational value of the canal immediately upgradient and downgradient from the site is low because it is a man-made drainage feature with limited potential to support recreational activities (e.g., boating, fishing, swimming). Potentially complete exposure pathways in off-site portions of the Dundee Canal include:

- *Current/future youth trespasser.* Incidental ingestion of and dermal contact with sediment and surface water and inhalation of vapor from sediment and surface water and sediment-derived particulates.

5.2.2 Selection of Constituents of Potential Concern

COPCs are constituents that are expected to contribute the majority of potential exposure and risk, consistent with USEPA (1989) guidance. COPC identification constitutes a conservative, health-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 constituent can be considered a common laboratory contaminant. The VRPA states that, “compliance with site-specific cleanup standards shall be determined on the basis of representative concentrations of COPCs in soils across each applicable soil exposure domain and the representative concentrations for groundwater at a point of exposure.” Therefore, COPCs were selected based on a comparison of

representative concentrations to both residential and nonresidential RRS as well as USEPA risk-based VISLs (USEPA 2018f).

The representative concentrations (also referred to as the exposure point concentrations [EPCs]) were estimated consistent with USEPA methodology (USEPA 1989, 2002a, 2002b, 2014b). The EPC was set at the lower of the maximum concentration and the 95 percent upper confidence limit on the mean as recommend by the USEPA. The upper confidence limit (UCL) is a statistical number calculated to represent the mean concentration with a high percentage of confidence (e.g., 95 percent or higher) that the true arithmetic mean concentration will be less than the UCL. The high level of confidence is used to compensate for the uncertainty involved in representing site conditions with a finite number of samples. The USEPA's ProUCL software - version 5.1 (USEPA 2016a, 2016b) was used to calculate UCLs when sufficient data were available (a minimum of five detections and eight samples).

5.2.2.1 Soil

Seven constituents (1,1-biphenyl, aniline 2,3,7,8-TCDD TEQ of dioxin-like PCBs, dioxin-like PCBs, and Aroclor 1254) were detected at maximum concentrations exceeding RRS in localized areas at the site (Table H-4). These seven constituents were selected as initial COPCs. The EPCs (where calculable) for 1,1-biphenyl, aniline, and Aroclor 1254 also exceeded residential (Type 1/2) and nonresidential (Type 3/4) RRS; therefore, they were selected as COPCs (Table H-8).

5.2.2.2 Groundwater

To select groundwater COPCs for direct contact pathways, the EPCs for constituents detected at maximum concentrations exceeding Type 1 RRS for the last 3 years (i.e., 1,1-biphenyl, biphenyl ether, and naphthalene as seen in Table H-5) were compared to the groundwater residential and nonresidential RRS (Table H-9). The EPC for 1,1-biphenyl and biphenyl ether exceeded both the residential and nonresidential RRS. The EPC for naphthalene exceeded the residential RRS but not the nonresidential RRS. Therefore, 1,1-biphenyl and biphenyl ether were selected as groundwater COPCs for the nonresidential scenario (Table H-9). However, direct exposure to groundwater is not evaluated further for several reasons. The presence of 1,1-biphenyl and biphenyl ether in groundwater appears to be localized to the vicinity of MW-F21 and TMW-22 because it was not detected in downgradient well MF-5. Further, as described in Section 5.2.1.4, the drinking water exposure pathway was not considered complete for the site. Therefore, these constituents in groundwater were not assessed for direct exposure pathways.

To select groundwater COPCs for the vapor intrusion pathway, concentrations for all detected volatile constituents in the groundwater risk assessment dataset (i.e., 1,1-biphenyl, biphenyl ether, and naphthalene) were compared to VISLs current at the time of the HHRA (USEPA 2018f) for both a residential and commercial scenario. VISLs were identified for an acceptable target cancer risk of 1x10-5 and target hazard of 1 (consistent with RRS calculation methods). 1,1-Biphenyl and biphenyl ether were present at maximum concentrations greater than the VISLs and were evaluated for the vapor intrusion pathway (Table H-9).

5.2.2.3 Sediment

The only constituents detected in sediment were acetone and 2,3,7,8-TCDD TEQ. Maximum levels of acetone and 2,3,7,8-TCDD TEQ were less than both the residential and nonresidential RRS (Table H-6). Based on this, no sediment COPCs were noted.

5.2.2.4 Surface Water

The only constituent detected in surface water at levels greater than the groundwater Type 1 RRS used in the absence of Georgia in-stream values is n-nitrosodi-n-butylamine (Table H-7). However, n- nitrosodi-n-butylamine was not detected at off-site locations and was only detected at on-site location SW-2 as discussed in Section 5.2.1.1. Exposure to sediment and surface water on site is not a complete exposure pathway. Because no constituents were present at maximum concentrations exceeding the Type 1 RRS at off-site locations (i.e., SW-1 and SW-2), no COPCs were identified for surface water.

5.2.3 Toxicity Assessment

The toxicity assessment describes the relationship between the administered and/or the absorbed dose of a constituent and the magnitude or likelihood of adverse health effects (USEPA 1989). Toxicity values for potential noncarcinogenic and carcinogenic effects were obtained consistent with the recommended USEPA hierarchy (USEPA 2003, 2015a) and the latest USEPA guidance (USEPA 2004, 2009) for the soil COPCs. The following sources were used to obtain toxicity values, in the order presented below:

- Integrated Risk Information System (USEPA 2018c)
- Provisional Peer Reviewed Toxicity Values (USEPA 2018d)
- Superfund program's Health Effects Assessment Summary Tables (USEPA 2011)

Toxicity values are summarized in Table H-10.

5.2.4 Exposure Assessment

Exposure assessment is the process of measuring or estimating the intensity, frequency, and duration of human exposure to substances present in the environment, which is dependent on the EPCs and the receptor exposure assumptions. The exposure assessment focused on the receptors identified in the human health exposure CSM for COPCs identified at the site. The following receptors and exposure pathways were quantitatively assessed in the risk assessment for site COPCs in soil (aniline, 1,1-biphenyl, and Aroclor 1254):

- *Future on-site industrial worker.* Incidental ingestion of and dermal contact with soil, and inhalation of soil-derived particulates or vapors.
- *Current/future on-site construction/excavation worker.* Incidental ingestion of and dermal contact with soil, and inhalation of soil-derived particulates or vapors.

To estimate the dose for the receptors, soil EPCs were combined with standard exposure assumptions. Dermal absorption factors for assessing the soil dermal pathway, particulate emission factors for assessing COPCs adhered to dust, and volatilization factors for assessing volatile COPCs were identified

from USEPA (2018e) Regional Screening Level (RSL) tables. Receptor exposure assumptions were also obtained from USEPA sources (USEPA 2004, 2014b). Receptor exposure assumptions are receptor- and scenario-specific values that are used in the risk calculations (e.g., body weight, ingestion rates). Receptor exposure assumptions were selected so that the risk calculated is for the reasonable maximum exposure scenario. These input values are summarized in Tables H-11 and H-12 for an industrial worker receptor and a construction worker receptor, respectively.

The vapor intrusion pathway for groundwater was qualitatively assessed as part of the risk assessment for 1,1-biphenyl and biphenyl ether in shallow groundwater. To estimate the dose in these scenarios, groundwater EPCs were combined with standard exposure assumptions.

5.2.5 Risk Characterization

Risk characterization is the final step in the risk assessment process. In this step, the results of the hazard identification, exposure assessment, and toxicity assessment are integrated to yield a quantitative measure of carcinogenic risk and noncarcinogenic hazards. Potential carcinogenic risks and noncarcinogenic hazards are evaluated for COPCs for the receptors and exposure pathways identified in Section 5.2.1.

Constituent-specific excess lifetime cancer risk (ELCR) estimates and noncancer hazard quotients (HQs) were calculated for each of the COPCs. Constituent-specific ELCRs and HQs were then summed to get an additive cancer risk (total ELCR) and an additive noncancer hazard index (HI). The target noncancer HIs were compared to the target level of 1 while the total ELCRs were compared to USEPA's target risk range of 1×10-4 to 1×10-6 consistent with the National Contingency Plan, as presented in 40 Code of Federal Regulations 300.430. The equations used to estimate risk, as well as the input parameters, are summarized in Tables H-11 and H-12 for an industrial worker receptor and a construction worker receptor, respectively.

5.2.5.1 Future On-Site Industrial Worker

The calculation of HQs, HIs, and ELCRs for exposure to COPCs in soil for an industrial worker receptor is presented in Table H-11 together with all the equations and input variables used. The HI for both direct contact with soil (incidental ingestion, dermal contact, inhalation of vapors, and COPCs adhered to dust) is 0.7, which is less than the target HI of 1. The total ELCR across the same pathways is 3×10-6 and the calculated cancer risk driver in soil is Aroclor 1254. Aroclor 1254 is classified by the USEPA as a Class B2 carcinogen (sufficient evidence of carcinogenicity in animals with inadequate or lack of evidence in humans [USEPA 2015]). As such, under RRS methodology, the target cancer risk for Aroclor 1254 is 1x10-5. The total ELCR calculated is within the USEPA target risk range of 1×10-4 to 1×10-6 and less than the GA EPD decision point of 1x10-5 (used in RRS calculation methods). This indicates that risk to a future industrial worker receptor is less than target acceptable levels.

5.2.5.2 Current/Future Construction Worker

The calculation of HQs, HIs, and ELCRs for exposure to COPCs in soil for an industrial worker receptor is presented in Table H-12 together with all the equations and input variables used. The HI for both direct contact with soil (incidental ingestion, dermal contact, inhalation of vapors, and COPCs adhered to dust)

is 0.4, which is less than the target HI of 1. The total ELCR across the same pathways is 2×10-7, which is well below the USEPA target risk range of 1×10-4 to 1×10-6 as well as the GA EPD decision point of 1x10-5. This indicates that risk to a future industrial worker receptor is less than acceptable levels.

5.2.5.3 Commercial Vapor Intrusion Assessment

The USEPA (2017a, 2017b) version of the Johnson and Ettinger model was used to evaluate the vapor intrusion exposure pathway. The site will remain nonresidential; therefore, the model was run for a commercial worker. The calculation of HQs and ELCRs for exposure to COPCs in groundwater via vapor intrusion for the commercial scenario is presented in Table H-13 together with the input variables used. The HI for 1,1-biphenyl and biphenyl ether were 1 and 0.2, respectively, and the sum of which is equal to the target HI of 1. Neither constituent has an Inhalation Unit Risk toxicity value and no ELCR value was calculated. This indicates that risk to receptors in a commercial scenario is equal to the regulatory benchmark.

5.2.6 Human Health Risk Assessment Results Summary

The available data were compared to the Type 1/2 RRS to identify the initial list of COPCs. Where EPCs could be calculated, they were compared to the Type 1/2 RRS to further refine the list of COPCs. Based on this comparison, soil and groundwater COPCs were carried forward into the risk assessment. No COPCs were identified for further evaluation in sediment or surface water for the exposure scenarios considered. COPCs identified for human health were aniline, 1,1-biphenyl, and Aroclor 1254 in soil; and 1,1-biphenyl and biphenyl ether in groundwater. Cancer risk and noncancer hazard were estimated for those COPCs for the receptors identified at the site using USEPA-recommended methods. Risk to both an industrial worker and a construction worker were within or less than the USEPA target risk range of 1×10-4 to 1×10-6 as well as the GA EPD decision point of 1x10-5, and the noncancer hazard was well below the target HI of 1. In conclusion, risk to an industrial worker and a construction worker was less than acceptable levels.

5.3 Screening Level Ecological Risk Assessment

A SLERA was conducted to assess the impact of constituents present at the site on ecological receptors. The SLERA was conducted consistent with USEPA (1997, 2018b) guidance. The SLERA for the site comprises Steps 1 and 2 of the eight-step ecological risk assessment process outlined in USEPA guidance documents: Screening-Level Problem Formation (Step 1) and Screening Level Ecological Effects Evaluation (Step 2). A SLERA refinement (Step 3a) consistent with USEPA (2018b) risk assessment methodology is also presented.

5.3.1 Screening-Level Problem Formation

The screening-level problem formulation presents a habitat assessment for the site, receptors, and ecosystem characteristics, as well as information on the sources of stressors potentially affecting ecological receptors at the site (USEPA 1997, 1998). This section describes the potential presence of threatened and endangered species at the site and identifies the ecological function and wildlife use at the site.

5.3.1.1 Habitat Assessment

An Arcadis ecologist performed a reconnaissance-level ecological field survey of the site on August 26, 2014 (Arcadis 2015a). The site assessment focused on lands within the boundaries of HSI ID No. 10696 and was conducted to categorize and assess ecological habitats on site, to identify and document wildlife using the site, and to determine whether the site contains habitat that may support federal and/or state-protected wildlife resources. A photo log of select photos taken during the habitat assessment is included in Appendix H. Further, information gathered during the habitat assessment is summarized on figures included in Appendix H.

The habitat types present at the site are shown on Figure H-1 in Appendix H. Observed habitat composition of the 32.5-acre facility is estimated as follows:

- 1.24 acres of mixed hardwoods along southern property limit:
  - Species: water oak (*Quercus nigra*), sweet gum (*Liquidambar styraciflua*), sugarberry (*Celtis laevigata*), and various pines (*Pinus* spp.)
- 2.11 acres of decommissioned operational area with early successional shrub/scrub cover
- 2.38 acres of decommissioned operational area with recruited grass cover
- 2.70 acres of decommissioned operational area with exposed soil and gravel cover
- 1.43 acres of operational area with lawn grass cover (bahia grass [*Paspalum notatum*])
- 0.25-acre fire water storage pond
- 1.63 acres of open, maintained railroad right-of-way
- 20.76 acres of operational area comprised of buildings, structures, and various other semipermeable and nonpermeable ground covers.

One potential emergent/shrubby wetland (Figure H-2 in Appendix H) and one linear surface water feature (Figure H-3 in Appendix H) occur within the site boundaries. Both features have potential for identification as aquatic habitats subject to regulation under Section 404 of the Clean Water Act. The linear surface water feature is an artificial (excavated – highly channelized) Savannah River tributary known as the Dundee Canal. Canal waters flow northeastward through the eastern portion of the site via the following channel types and structures:

- *Reach 1.* Reach 1 is 95 linear feet of open channel composed of natural substrate/bed material and rooted bank vegetation dominated by alligator weed (*Alternanthera philoxeroides*), arrow arum (*Peltandra virginica*), lizard tail (*Saururus cernuus*), maiden cane (*Panicum hemitomon*), and *Scirpus* spp.
  - Observed water quality consisted of slightly turbid, low-velocity flowing water with moderate filamentous algae presence.
  - Observed aquatic fauna consists of sunfish/bream (*Lepomis* spp.), juvenile bass (*Micropterus* sp.; likely largemouth bass [*M. salmoides*]), and top minnows (*Fundulus* spp.).

- *Reach 2.* Reach 2 is 710 linear feet of subsurface concrete pipe with three junction drop-boxes/ manways where stormwater from portions of the eastern site sector discharges to the Dundee Canal waters. The drop-boxes have slightly elevated, grated manways.
    - Observed water quality within the drop-boxes appeared less turbid than Reach 1.
    - The southern junction drop-box receives stormwater from the truck loading dock. This drop-box has a manual gate that is maintained in the closed position to prevent stormwater from discharging to Dundee Canal waters until after a visual inspection of the stormwater is performed.
    - The central and northern drop-boxes receive overflow discharge from the fire water pond.
        - Water within the pond is composed of pumped groundwater.
        - Vegetation/algae control consist of water darkening agent application and stocking grass carp.
- *Reach 3.* Reach 3 is 50 linear feet of open channel that is confined by walls of an open-top, vault-type, concrete structure where Dundee Canal waters are mixed with discharged noncontact process water before entering a culvert inlet that leads to the facility outfall.
    - Noncontact process waters originate from pumped groundwater used for cooling purposes. Temperatures of discharged process waters are typically elevated above background canal water temperatures.
    - The vault structure is equipped with gates that prevent discharge in the event of a spill and may be used to prevent intrusion by storm surge waters.
    - Substrate within the vault structure appeared to mimic natural stream/canal bed conditions. Two active bream beds were observed inside the primary cell of the vault.
    - Rooted aquatic/semiaquatic vegetation has established within the vault structure and is dominated by duck potato (*Sagittaria lancifolia*).
    - Observed aquatic fauna consists of sunfish/bream, juvenile bass, and top minnows.
    - A large amount of shells of American ribbed fluke snail (*Lymnaea columella*; an amphibious snail) were observed along elevated pipe/pole structures.

5.3.1.2 Threatened and Endangered Species

Federally listed species and designated critical habitat data for Chatham County and the general property area were obtained from the Information, Planning, and Consultation System, and the Environmental Conservation Online System databases managed by the U.S. Fish & Wildlife Service (USFWS). No designated critical habitat occurs within, or adjacent to, the site.

The site was surveyed for the presence of preferred habitats specific to each of the 17 federally protected species identified by USFWS database queries. One area of potentially suitable habitat for the endangered pondberry shrub (*Lindera melissifolia*) was identified during the field survey. This area of potential habitat is located within the excavated depression of the potential wetland area associated with Reach 1 of the Dundee Canal channel. Although suitable habitat may be present, there are no known occurrences of the pondberry shrub or any other threatened or endangered species at the site. No

additional suitable/preferred habitats for protected species were observed. The federally protected species listed as potentially occurring in Chatham County and comments regarding their habitat as related to the site are presented in Table H-14.

5.3.1.3 Ecological Function/Wildlife Use

This is an active industrial site located within a heavily developed urban area comprising mixed commercial, industrial, residential, and transportation land uses. Available terrestrial wildlife habitats within the general area are substantially fragmented by transportation corridors and by mixed residential, commercial, and industrial developments. The site is isolated from large tracts of forested habitat located north and west of the property by the U.S. Highway 80 corridor to the north and the Chatham Parkway and Interstate 16 corridors to the west and south. Activity related to facility operations, maintenance, and landscaping of facility grounds and the well-maintained perimeter security fence of the largest property parcel (Parcel 2-0734-01-001) exclude large mammal access and restrict use by small mammals and other terrestrial fauna. The 1.24 acres of mixed hardwoods in the southern portion of the site (Figure H-1 in Appendix H) was never associated with past operations and is therefore unimpacted. Overall, terrestrial wildlife within the site evaluation boundary is considered minimal; therefore, a SLERA of the terrestrial habitat was not warranted.

Dundee Canal provides cover and forage habitat for aquatic, semiaquatic, and amphibian fauna. Use of the Dundee Canal reach within the site boundary for amphibian breeding habitat is substantially repressed by the presence of predatory fish. Dundee Canal and wetlands in the off-site area may provide suitable ecological habitat for aquatic wildlife and could be a POE to site-related constituents if they are present in surface water or sediment. Therefore, the SLERA focused on the aquatic ecological habitat in the Dundee Canal.

5.3.2 Screening Level Ecological Effects Evaluation

In this step, maximum constituent concentrations in sediment and surface water collected from the Dundee Canal were compared to the applicable ecological screening values (ESVs). ESVs are constituent concentrations in environmental media below which there is negligible or insignificant risk to receptors exposed to those media. ESVs were identified from the following sources:

- Georgia IWQC (GA EPD 2015)
- USEPA Region 4 Ecological Screening Values (USEPA 2018b)
- USEPA Region 3 Ecological Screening Values (USEPA 2006).

Where concentrations in sediment and/or surface water exceeded the conservative ESVs, constituents were selected as contaminants of potential ecological concern (COPECs). Considering, the conservative nature of the ESVs, alternative screening values (ASVs) were identified to refine the potential effect of these constituents on ecological receptors in the Dundee Canal and to select refined COPECs if warranted, consistent with USEPA risk assessment methods (USEPA 2018b). The selection and refinement of COPECs is presented in Table H-15 for sediment and in Table H-16 for surface water and is described in the sections below.

5.3.2.1 Sediment

The comparison of sediment data to ESVs is presented in Table H-15. The only detected constituents in sediment were acetone and dioxins and furans as summarized in Table H-15.

Acetone was present in one of three samples at a maximum concentration of 0.1 mg/kg, which exceeds the USEPA Region 4 ESV of 0.065 mg/kg. Further, the 2,3,7,8-TCDD TEQ in sediment was reported at concentrations above the USEPA Region 4 ESV of 0.0000025 mg/kg in all three sediment samples. Therefore, acetone and 2,3,7,8-TCDD TEQ were considered screening level COPECs and evaluated further as described below.

5.3.2.1.1 Acetone

Acetone was detected at a concentration of 0.1 mg/kg in the sediment sample collected at on-site location SED-2, but it was not detected in sediment samples collected at the two other locations (i.e., SED-1 and SED-3). It should be noted that the quality of aquatic habitat at the SED-2 location is poorer than the other two locations where acetone was not detected (Figure H-3 in Appendix H). Acetone is a naturally occurring constituent and a common laboratory contaminant, and its detection in the sediment sample may not be related to activities at the site. The USEPA Region 4 (2018b) ASV for acetone is 38.133 mg/kg. The maximum detected acetone concentration in sediment is well below this screening value. Therefore, acetone was not selected as a refined COPEC, and further evaluation for acetone in sediment is not warranted.

5.3.2.1.2 Dioxin and Furans

The 2,3,7,8-TCDD TEQ concentrations in sediment were greater than the USEPA Region 4 (2018b) ESV of 0.0000025 mg/kg in all three sediment samples collected from Dundee Canal. The maximum 2,3,7,8-TCDD TEQ concentration of 0.00007 mg/kg (SED-2) is also greater than the Region 4 ASV of 0.000025 mg/kg; however, the 2,3,7,8-TCDD TEQ concentrations in sediment samples collected at SED-1 (0.000009 mg/kg) and SED-3 (0.00003 mg/kg) are less than or essentially equivalent to the Region 4 ASV of 0.000025 mg/kg. The arithmetic average of the three concentrations is 0.000036 mg/kg, which also approximates the Region 4 ASV. The USEPA Region 9 determined a national average background level of 0.0000053 mg/kg dioxin TEQ in sediment (USEPA 2018b). Considering dioxins and furans were detected in sediment at the sample location upstream of the site, and the generally low magnitude dioxin TEQ concentrations in sediment relative to the Region 4 ASV, their presence in sediment may not be related to activities at the site. Additionally, a refined ecological HQ based on the average TEQ concentration (0.000036 mg/kg) compared to the Region 4 ASV (0.000025 mg/kg) would equal 1. This evaluation demonstrates that the potential for ecological risk is negligible, and further evaluation for dioxins and furans in sediment is not warranted.

5.3.2.2 Surface Water

The only detected constituents in surface water were ammonia, fluoride, and n-nitrosodi-n-butylamine (Table H-16).

Fluoride was detected at a maximum concentration of 0.53 mg/L, which is less than the Region 4 ESV of 2.7 mg/L for fluoride in freshwater surface water. Therefore, fluoride was not identified as a COPEC.

Ammonia was detected at a maximum concentration greater than the Region 3 ESV, and no screening values are available for n-nitrosodi-n-butylamine in surface water. Therefore, ammonia and n-nitrosodi-n-butylamine were selected as screening level COPECs and are further evaluated below.

5.3.2.2.1 Ammonia

Ammonia was detected at concentrations greater than the Region 3 ESV of 0.019 mg/L in all three surface water samples. To further assess the probable effect of ammonia on ecological receptors in the Dundee Canal, the basis of the ESV was investigated and an ASV was identified. The USEPA Region 3 ESV for ammonia is based on value from 2003. A more recent assessment of ammonia in surface water by the USEPA resulted in the establishment of National Ambient Water Quality Criteria (NAWQC; USEPA 2013). The maximum detected ammonia concentration of 0.32 mg/L is less than the USEPA chronic NAWQC for ammonia of 1.9 mg/L at a pH of 7 s.u. and a water temperature of 20 °C. Therefore, ammonia was not selected as a refined surface water COPEC.

5.3.2.2.2 N-Nitrosodi-n-butylamine

An ESV or ASV for n-nitrosodi-n-butylamine could not be identified from the readily available sources identified for this evaluation. However, the Estimation Programs Interface Suite (USEPA 2017c) was used to run the Ecological Structure Activity Relationships (ECOSAR) Predictive Model to calculate chronic toxicity values for structurally similar organic chemicals (i.e., aliphatic amines). The ECOSAR chronic values range from 0.2 mg/L for aquatic invertebrates (Daphnid) to 0.996 mg/L for fish. The maximum n-nitrosodi-n-butylamine concentration of 0.078 mg/L is well below the lowest chronic value of 0.2 mg/L. N-nitrosodi-n-butylamine is a VOC that was, in general, detected infrequently and at a relatively low concentration. N-nitrosodi-n-butylamine was detected at on-site location SW-2 where Dundee Canal is considered to represent, at best, marginal aquatic habitat (Figure H-3 in Appendix H). Furthermore, this constituent was not detected in surface water samples SW-1 and SW-3. Therefore n-nitrosodi-n-butylamine is not expected to contribute significantly to potential risk for aquatic ecological receptors in Dundee Canal.

5.3.3 Screening Level Ecological Risk Assessment Results Summary

Risks were characterized for aquatic wildlife receptors at the site based on comparisons to ESVs and ASVs, with emphasis on the weight-of-evidence, such as conservatism of the ESVs and the quality of the available habitat. None of the constituents detected in sediment or surface water were identified as refined COPECs, and no further evaluation of sediment or surface water is warranted. Based on the overall analysis of surface water and sediment exposures, adverse impacts are considered unlikely for any aquatic wildlife and sediment dwelling organisms that might occur in the reaches of Dundee Canal within the boundaries of the site.

6 COMPLIANCE WITH RISK REDUCTION STANDARDS

Historical investigations have confirmed PCB compounds and 1,1-biphenyl to be present in site soil at concentrations greater than their site-specific Type 4 RRS in small, localized areas. Delineation of these compounds has been completed at several of these locations; however, delineation was incomplete in a few localized areas due to obstructions or access limitations. For these areas, compounds were evaluated on a site-wide basis. The site-wide approach confirmed that the presence of these compounds was limited to areas within the site boundaries. These limits, coupled with the UEC to be placed on the site, results in a complete delineation that is protective of human health and the environment.

While delineation is deemed complete and evaluated on a site-wide basis, additional evaluations were completed to determine the compliance with the applicable Type 4 RRS at the site.

6.1 Soil

The April 9, 2012 VIRP/VRP application that Hercules submitted to the GA EPD was approved in a March 15, 2013 GA EPD letter to Hercules. Section 12-8-108(6) of the VRPA provides that any cleanup standard promulgated pursuant to Code Section 12-8-93 (Hazardous Site Response Act (Official Code of Georgia Annotated §12-8-90 et seq.) may be used. Potentially applicable cleanup standards include the Type 1 through 4 RRS promulgated pursuant to the Hazardous Site Response Act as listed in Section 391-3-19-.07 of the Georgia Rules for Hazardous Site Response. Part of the criteria for evaluating RRS for soil involves protection of groundwater, in addition to criteria for direct contact. Section 12-8-108(5) of the VRPA also allows the calculation of site-specific cleanup standards for soil which may be based on: (1) direct exposure factors for surficial soil within 2 feet of land surface, (2) construction worker exposure factors for subsurface soils to a specified construction depth, and (3) soil concentrations for protection of groundwater criteria at an established POE for groundwater as defined under the VRPA.

Standard risk assessment calculations were used to derive site specific Type 4 RRS for site-related compounds at the POE that are protective for direct contact and the protection of groundwater as part of the HHRA. As discussed with the GA EPD, the POE for the site was established as the downgradient end of the Dundee Canal. Modeling was completed (see Section 3.8) to determine the concentrations of select COPCs in soil (1,1-biphenyl, Aroclor 1254) that would result in an exceedance of groundwater concentrations at the POE. Results of the modeling showed that an “unreal” concentration (i.e., greater than the saturation concentration) would be necessary for there to be an exceedance of the groundwater protection standard at the POE. Modeling was further completed to determine the modeled distance that the COPCs would migrate in groundwater prior to their attenuation. These modeled distances were all less than 4 feet for these compounds.

Based on the results of the modeling, demonstrating that the groundwater pathway is incomplete, the direct contact risk concentration for each compound would be the governing concentration for soil when compared to concentrations derived for the protection of groundwater. The results of the HHRA and SLERA indicated that there are no unacceptable risks to human health or the environment. Nonetheless, based on historical discussions with the regulatory agencies and on the maximum detected concentrations, direct contact exposure assumptions, as well as other acceptable cleanup criteria, the following are proposed for use as the site-specific Type 4 RRS (Table 2):

- 1,1-Biphenyl: 214 mg/kg
- 2,3,7,8-TCDD TEQ: 0.00044 mg/kg
- Aroclor 1254: 7.3 mg/kg
- ACM: 10,000 mg/kg

These results are based on nonresidential use of the property and the following assumptions.

6.1.1 1,1-Biphenyl

1,1-biphenyl is not regulated under the Hazardous Site Response Act. The GA EPD provided an initial RRS of 1 mg/kg as the Type 4 RRS. The USEPA (2018e) industrial soil RSLs are 450 mg/kg based on a target cancer risk of 1×10-6 and 214 mg/kg based on a target HQ of 1. Hercules proposes to set the site-specific Type 4 RRS at 214 mg/kg for 1,1-biphenyl. The USEPA (2018e) RSLs rely on current exposure assumptions and derivations of the inhalation parameters.

6.1.2 2,3,7,8-TCDD Toxicity Equivalent Quotient

The proposed Type 4 RRS for 2,3,7,8-TCDD TEQ is 0.00044 mg/kg. This value was originally provided by the GA EPD to Hercules following the submittal of the VIRP (GA EPD 2014) as part of the “pre-approved” Type 1 through 4 RRS. Note that this value represents the summed TEF-adjusted concentrations for detected polychlorinated dioxin, furans, and dioxin-like PCBs in a single sample as required by the GA EPD.

6.1.3 Aroclor 1254

The proposed site-specific Type 4 RRS for Aroclor 1254 is 7.3 mg/kg. This concentration is the more conservative of the direct contact soil RRS and the RRS derived based on protection of groundwater. Details of the RRS calculations are provided in Appendix H.

Using these concentrations, five Restricted Use Zones (RUZs) were established at the site (Figures 13, 13a, 13b, 13c, 13d, 13e, and 13f). RUZs were established around Type 4 RRS exceedances using sample locations in compliance with established cleanup standards as a boundary. A site overview with all five RUZs is provided on Figure 13. RUZs will be incorporated into the UEC and will require that a Soil Management Plan (SMP) be in place as well as GA EPD notification and approval for any activity that will result in a disturbance of the soil. Further, these areas will receive an additional 6-inch-thick cover and be marked on site as areas that are not to be disturbed unless GA EPD approval is granted. The cover will vary in each area, selected based on the surrounding areas and land use (i.e., areas near paved areas will be finished to match, areas within grassed or vegetated areas will receive a 6-inch soil cover). Cover material will be maintained and inspected as part of the site engineering controls. Annual inspections of these areas will be documented and maintained on site.

6.1.4 Asbestos Containing Material (ACM)

As part of the VIRP, Hercules responded to the detection of asbestos in a temporary monitoring well with confirmation groundwater sampling results (MW-F8 and MW-F9) that showed no detections of ACM

above the laboratory reporting limits (0.2 million fibers per liter [MFL]. Despite these results, it was noted by the GA EPD that potential ACM noted as part of June 2000 site improvement activities may remain in soil present beneath the concrete pad constructed in the Former Fatty Acid 50's Tank Area. Based on this, it was proposed as part of the VIRP to develop site specific Type 4 RRS for ACM in soil. Hercules is proposing to use the GA EPD provided Type 4 RRS of 10,000 ppm for ACM in soil. It is also noted that based on discussions with the EPD, the 50's/60's Tank Area will be included as a RUZ with the existing concrete cover in place as an additional control.

6.2 Groundwater

Groundwater monitoring has been ongoing at the site since 2000. During this time, numerous events have been conducted to delineate and monitor reported releases at the site. During the most recent monitoring events (May 2016 and December 2017) only two compounds were detected at concentrations exceeding their respective RRS. Naphthalene was historically detected in well MW-F21 at concentrations exceeding the Type 1/4 RRS of 20 µg/L, as recently as May 2016. However, the concentration of naphthalene has been steadily decreasing in this well since 2014 and during the most recent monitoring event, was detected at a concentration (4.5 µg/L) below the RRS in this well (Appendix G-2).

Six additional monitoring wells were installed at the site (TMW-18 thru TMW-23) in November 2017 as part of delineation activities completed to evaluate soil to groundwater migration of PCBs and/or 1,1-biphenyl. These wells were sampled in December 2017 and/or early 2018. Results of this sampling showed no detections of compounds at concentrations exceeding their respective Type 1/4 RRS, except one detection of 1,1-biphenyl in well TMW-22 (1,400 µg/L). A resampling of the well in May 2018 confirmed the detection in the well (840 µg/L). No additional detections of 1,1-biphenyl were noted, including at well locations downgradient of TMW-22.

Based on the limited detections of compounds in groundwater, and the limited potential for migration of the detected compounds in groundwater, delineation activities of compounds in groundwater is considered complete. A modified groundwater monitoring program is proposed to be implemented at the site as detailed in Section 7.3.

7 PROPOSED CORRECTIVE ACTIONS

A combination of active remedial actions and passive remedies is proposed for this site to minimize or eliminate exposure to regulated constituents at concentrations greater than the provided and/or site-specific Type 4 RRS. Active remedies include the construction of covers to isolate soil that exceeds the Type 4 RRS as described in Section 6.1. The protectiveness of these engineering controls will be enhanced by placing placarding or signage at each covered area that specifies any action that might disrupt the cover must receive pre-approval from the GA EPD. Institutional controls will be used to restrict potential exposure to regulated constituents in soil in order to meet a site-specific Type 4 RRS with controls. These passive controls will also be achieved through the development, approval, and recording of a UEC on the property deed. This section summarizes the planned corrective actions, including the UEC and institutional controls, to be used at the site.

7.1 Restricted Use Zones

Based on the presence of residual compounds in soil at concentrations greater than their site-specific RGs, RUZs will be established. These zones, as shown on Figures 13, 13a, 13b, 13c, 13d, 13e, and 13f will be created by placing an additional 6 inches of cover material over a designated area. The cover area will consist of a soil/vegetative cover or paving material to match the existing areas.

Once these RUZs are considered complete, each area will be posted with signage noting them as RUZs and providing contact information in the event that these areas must be entered and/or disturbed. Any disturbance in these areas will be completed in accordance with an approved SMP. In addition, these areas will be documented as restricted areas in the UEC. The restrictions on these areas will continue to be implemented by Solenis, LLC and will be carried forward in any property transaction.

7.2 Uniform Environmental Covenant and Institutional Controls

Institutional controls will be used at the site to limit or eliminate any completed exposure pathways. These controls will be based primarily on the site-wide delineation of site COPCs to Type 1/2 within the property boundaries and the limited exposure pathways present on site. The chain of title recorded with the Superior Court of Chatham County will be updated for the site to include the UEC and types of land use controls and boundaries as follows:

- Direct use or extraction of shallow (i.e., from wells screened shallower than 50 feet bgs) groundwater from anywhere on site for potable use 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 that constitutes a functionally equivalent engineering control.
- Excavation, construction, utility installation or maintenance, and similar land disturbing activities in soil will be prohibited in the established RUZs, as shown on Figures 13, 13a, 13b, 13c, 13d, 13e, and 13f unless such work is performed by informed and properly trained contractors under an approved SMP

and with the approval of the GA EPD such that human exposure to potentially hazardous materials does not occur.

- Residential use of the property will be prohibited in accordance with the UEC and institutional controls.

7.3 Annual Groundwater Monitoring

A revised, focused groundwater monitoring program is proposed based on the limited detections of compounds in groundwater and the limited potential migration of residual concentrations in soil and groundwater.

The sampling program will gather the data needed to confirm the attenuation of naphthalene in well MW-F21 and to track the attenuation of 1,1-biphenyl in well TMW-22. Monitoring is proposed to be completed until concentrations are reduced to levels less than their respective RRS for two events or a maximum annually for 3 years. The monitoring program will include wells MW-F21, MW-F5, MW-F7, and TMW-22.

Samples will be collected and analyzed for select VOCs plus naphthalene by USEPA Method 8260B. Laboratory analytical data will be reported annually to the GA EPD.

8 SUMMARY AND CONCLUSIONS

Historical investigations performed over the past two decades have identified concentrations of regulated constituents in soil and groundwater greater than select RRS at limited areas on site. These constituents have been delineated to their respective Type 1/2 RRS both locally and on a site-wide basis within property boundaries. In addition, modeling of these residual compounds in soil showed that migration to downgradient POEs would not occur.

Based on the findings of the assessment activities and historical investigations performed over the past two decades, the following conclusions are presented:

- Groundwater has been delineated to Type 1/3 RRSs at the within property boundaries.
- Only one compound, 1,1-biphenyl, was identified at a concentration greater than its respective Type 1/3 RRS in groundwater. Groundwater modelling activities show that residual concentrations of 1,1-biphenyl in groundwater will migrate less than 4 feet laterally in groundwater prior to attenuating to acceptable concentrations. Based on this data evaluation, concentrations of compounds are considered delineated at the site and will require no additional action.
- COPCs identified for protection of human health based on the refined COPC identification step were aniline, 1,1-biphenyl, and Aroclor 1254 in soil and 1,1-biphenyl and biphenyl ether in groundwater. Cancer risk and non-cancer hazard were estimated for those COPCs for the receptors identified at the site using USEPA recommended methods. Risk to both an industrial worker and a construction worker were within or below the USEPA target risk range of 1×10-4 to 1×10-6 as well as the GA EPD decision point of 1x10-5, and the non-cancer hazard was well below the target HI of 1. Potential risks to an industrial worker and a construction worker using standard and site-specific exposure assumptions were below acceptable levels.
- Based on the overall analysis of surface water and sediment exposures, adverse impacts associated with this site are considered unlikely for any aquatic wildlife and sediment dwelling organisms that might occur in the reaches of Dundee Canal within the boundaries of the site.
- Based on the results of investigation, as well as modeling and risk assessment conclusions, site specific Type 4 RRS were established. These criteria were a combination of the direct contact numbers established as part of the risk assessments, the RRS provided by the GA EPD as part of the VIRP, and the USEPA Industrial RSLs. Residual soil concentrations of regulated constituents above these site-specific Type 4 RRS are vertically limited from the ground surface to the top of saturated soils and are horizontally delineated to their respective Type 4 RRS based on historical and current investigations.

The subject site will be eligible for delisting from the HSI because it is in compliance with Types 1-4 RRS and will implement institutional controls for “Restricted Use Zones” and groundwater to ensure exposure pathways remain incomplete. Continued activities including the final execution of the UEC, construction of the RUZs, and the continued annual groundwater monitoring and reporting program will be completed as noted above under the VIRP program.

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TABLES

Table 1
Well Construction Details
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Well Id	Install Date	Approximate Total Depth (ft bgs)	Well Diameter (inches)	Construction Material	Casing Length (ft bgs)	Screen Interval (ft bgs)	Well Completion	Site Area	Installer	Ground Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	X_Coord	Y_Coord
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	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	7.13	9.55	972032.85	761040.92
MW-F2	10/24/2000	10	2	PVC	5	5 - 10	--	Resin Areas	AGM	7.70	7.51	972102.94	761052.82
MW-F3	10/19/2000	20	2	PVC	10	10 - 20	--	Resin Areas	AGM	--	--		
MW-F3R	11/6/2008	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	WPC	8.32	12.53	972048.64	760847.82
MW-F4	10/18/2000	20	2	PVC	10	10 - 20	--	Resin Areas	AGM	--	--	--	--
MW-F5	10/18/2000	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	9.07	11.49	971873.39	760808.39
MW-F6	10/19/2000	20	2	PVC	10	10 - 20	Flush mount	Resin Areas	AGM	8.97	8.59	971701.74	760828.95
MW-F7	10/18/2000	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	10.70	13.23	972183.92	760724.16
MW-F8	10/20/2000	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	11.22	12.59	972046.60	760480.48
MW-F9	10/17/2000	20	2	PVC	10	10 - 20	--	Resin Areas	AGM	12.00	11.78	972164.72	760413.72
MW-F10	10/17/2000	20	2	PVC	10	10 - 20	--	Resin Areas	AGM	--	--	--	--
MW-F11	10/18/2000	20	2	PVC	10	10 - 20	Flush mount	Resin Areas	AGM	8.80	8.58	971580.26	760896.40
MW-F12	10/18/2000	20	2	PVC	10	10 - 20	Flush mount	Resin Areas	AGM	9.47	9.34	971655.43	761008.30
MW-F13	10/17/2000	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	15.66	18.47	971065.09	760750.75
MW-F14	10/16/2000	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	6.05	8.38	971239.02	760386.49
MW-F15	10/19/2000	20	2	PVC	10	10 - 20	Flush mount	Resin Areas	AGM	9.87	9.79	971614.97	760515.47
MW-F16	10/16/2000	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	6.03	8.51	971740.79	760253.83
MW-F17	10/17/2000	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	8.93	11.36	971473.15	760653.52
MW-F19	10/16/2000	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	7.68	10.47	971817.99	761114.03
MW-F20	10/23/2000	13	2	PVC	3	3 - 13	--	Resin Areas	AGM	--	--	--	--
MW-F21	10/23/2000	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	AGM	9.96	12.46	971924.65	760723.04
MW-22	10/29/2002	20	2	PVC	10	10 - 20	Stick-up	Shallow Background Well	MacTec	7.36	10.06	972286.64	760995.12
MW-23	10/28/2002	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	MacTec	7.08	9.4	972196.80	761026.02
MW-24	10/28/2002	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	MacTec	7.71	10.23	971892.58	761100.36
MW-25	10/29/2002	20	2	PVC	10	10 - 20	Stick-up	Shallow Background Well	MacTec	10.32	12.72	971739.06	759933.44
MW-26	10/30/2002	20	2	PVC	10	10 - 20	Stick-up	Size Tank Farm	MacTec	13.69	15.69	971121.87	760920.25
MW-27	12/17/2002	20	2	PVC	10	10 - 20	Flush mount	Resin Areas	MacTec	10.36	10.23	972219.03	760708.64
MW-28	12/17/2002	20	2	PVC	10	10 - 20	Stick-up	Shallow Background Well	MacTec	7.60	10.5	972336.90	761101.32
MW-29	11/6/2008	20	2	PVC	10	10 - 20	Stick-up	Resin Areas	WPC	9.58	12.8	972233.28	760810.51
MW-32	11/18/2008	20	2	PVC	10	10 - 20	Stick-up	Shallow Background Well	WPC	5.30	7.05	972283.76	761187.89
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	7/6/2000	~12-16	--	--	--	-- - ~12-16	--	50s Tank and Hard Resin Area	S&ME	--	--	--	--
TMW-18	10/26/2017	15	1	PVC	15	10 - 15	Flush mount	Dowtherm Unit 2028	Arcadis / Cascade	--	--	972077.41	760873.66
TMW-19	10/26/2017	15	1	PVC	15	10 - 15	Flush mount	Hard Resin Area	Arcadis / Cascade	--	--	971826.08	760825.42
TMW-20	10/26/2017	15	1	PVC	15	10 - 15	Flush mount	Former Dry Size Area	Arcadis / Cascade	--	--	971212.86	760999.49

Table 1
Well Construction Details
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Well Id	Install Date	Approximate Total Depth (ft bgs)	Well Diameter (inches)	Construction Material	Casing Length (ft bgs)	Screen Interval (ft bgs)	Well Completion	Site Area	Installer	Ground Elevation (ft amsl)	Top of Casing Elevation (ft amsl)	X_Coord	Y_Coord
TMW-21	10/26/2017	15	1	PVC	15	10 - 15	Flush mount	Former Dry Size Area	Arcadis / Cascade	--	--	971090.31	761053.26
TMW-22	10/26/2017	15	1	PVC	15	10 - 15	Flush mount	Dowtherm Unit 2024	Arcadis / Cascade	--	--	970717.98	761313.15
TMW-23	10/26/2017	15	1	PVC	15	10 - 15	Flush mount	Electrical Substation 8526	Arcadis / Cascade	--	--	971511.55	761112.17
Deep Monitoring Wells													
MWD-F1	10/17/2000	100	2	PVC	80	80 - 100	Stick-up	Resin Areas	AGM	6.92	9.25	972204.33	760928.77
MWD-F2	10/17/2000	100	2	PVC	80	80 - 100	Stick-up	Resin Areas	AGM	7.80	10.52	971823.02	761112.21
MWD-F3	10/18/2000	87	2	PVC	67	67 - 87	Stick-up	Resin Areas	AGM	8.77	11.23	971485.74	760651.17
MWD-22	10/29/2002	50	2	PVC	40	40 - 50	Stick-up	Resin Areas	MacTec	7.71	10.05	972290.65	760995.03
MWD-23	11/1/2002	50	2	PVC	40	40 - 50	Stick-up	Resin Areas	MacTec	6.83	9.27	972201.05	761024.76
MWD-24	10/29/2002	50	2	PVC	40	40 - 50	Stick-up	Deep Background Well	MacTec	7.67	10.34	971897.16	761098.54
MWD-25	10/30/2002	50	2	PVC	40	40 - 50	Stick-up	Deep Background Well	MacTec	10.26	12.58	971735.04	759936.37
MWD-27	12/17/2002	50	2	PVC	40	40 - 50	Flush mount	Resin Areas	MacTec	10.25	10.09	972220.82	760714.96
MWD-28	12/17/2002	50	2	PVC	40	40 - 50	Stick-up	Deep Background Well	MacTec	7.27	10.66	972332.51	761100.69
MWD-29	11/10/2008	50	2	PVC	40	40 - 50	Stick-up	Resin Areas	WPC	9.51	13.56	972226.03	760811.89
MWD-30	11/11/2008	50	2	PVC	40	40 - 50	Stick-up	Resin Areas	WPC	10.06	13.41	971925.16	760727.08
Onsite Production Wells													
Well 1 (12")	~1955	1000	12	--	270	open borehole	--	--	--	--	--	--	--
Well 2 (10")	~1950	750	10	--	250	open borehole	--	--	--	--	--	--	--
Well 3 (8")	Before January 1956	--	8	--	--	-- --	--	--	--	--	--	--	--

Notes:
-- unknown or not applicable
grey shading = well abandoned or destroyed
Acronyms and Abbreviations:
AGM = Arcadis-Geraghty & Miller
amsl = above mean seal level
Arcadis = Arcadis U.S., Inc.
bgs = below ground surface
Cascade = Cascade Drilling, LP
ft = foot/feet
MACTEC = MacTec, Inc.
PVC = polyvinyl chloride
S&ME = S&ME, Inc.
WPC = WPC, Inc.

Table 2
Acceptable Soil Residential and Non-Residential Risk Reduction Standards
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Constituent	CAS #	Units	Residential RRS Type 1 and 2 [Higher Value of Type 1 and 2 RRS]	Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]	Site-Specific Type 4 Soil RRS[5]
Volatile Organic Compounds					
Acetone	67-64-1	mg/kg	400	400	--
Acetonitrile	75-05-8	mg/kg	20	20	--
Acetophenone	98-86-2	mg/kg	400	400	--
Acrolein	107-02-8	mg/kg	0.1	0.1	--
Benzene	71-43-2	mg/kg	0.5	0.5	--
1,1-Biphenyl	92-52-4	mg/kg	1	1	214
Carbon Disulfide	75-15-0	mg/kg	400	400	--
Chlorobenzene	108-90-7	mg/kg	10	10	--
1,4-Dichloro-2-butene	764-41-0	mg/kg	0.110	0.100	--
trans-1,4-Dichloro-2-butene	110-57-6	mg/kg	0.113	0.140	--
1,2-Dichloropropane	78-87-5	mg/kg	0.5	0.5	--
Ethylbenzene	100-41-4	mg/kg	70	70	--
Ethyl Methacrylate	97-63-2	mg/kg	300	300	--
Isobutyl Alcohol	78-83-1	mg/kg	1000	1000	--
Methyl Ethyl Ketone	78-93-3	mg/kg	200	200	--
Methyl Isobutyl Ketone	108-10-1	mg/kg	200	200	--
Styrene	100-42-5	mg/kg	14	14	--
Tetrachloroethene	127-18-4	mg/kg	0.5	0.5	--
Toluene	108-88-3	mg/kg	100	100	--
Total Xylenes[1]	1330-20-7	mg/kg	1000	1000	--
m-Xylene[1]	108-38-3	mg/kg	20	20	--
o-Xylene[1]	95-47-6	mg/kg	20	20	--
p-Xylene[1]	106-42-3	mg/kg	20	20	--
Semi-Volatile Organic Compounds (excluding Polynuclear Aromatic Hydrocarbons)					
Aniline	62-53-3	mg/kg	2	2	--
Bis(2-ethylhexyl)phathalate	117-81-7	mg/kg	50	50	--
Butyl Benzyl Phthlate	85-68-7	mg/kg	50	218.540	--
Total Cresols	1319-77-3	mg/kg	3.8	8	--
m-Cresol	108-39-4	mg/kg	3.80	4.1	--
o-Cresol	95-48-7	mg/kg	3.80	4.1	--
p-Creso	106-44-5	mg/kg	3.800	8	--
Dibenzofuran	132-64-9	mg/kg	1	1.90	--
2,4-Dimethylphenol	105-67-9	mg/kg	70.0	70	--
m-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	--
Di-n-octyl Phthalate	117-84-0	mg/kg	70	70	--
1,4-Dioxane	123-91-1	mg/kg	7	7	--
Formaldehyde	50-00-0	mg/kg	100	100	--
Ni-Nitroso-di-N-butylamine	924-16-3	mg/kg	1	1	--
N-Nitrosomethylethylamine	10595-95-6	mg/kg	0.68	1	--
Semi-Volatile Organic Compounds (Polynuclear/Polycyclic Aromatic Hydrocarbons)					
Acenaphthene	83-32-9	mg/kg	300	300	--
Acenaphthylene	208-96-8	mg/kg	130	130	--
Anthracene	120-12-7	mg/kg	500	1009	--
Benz[a]anthacene	56-55-3	mg/kg	5	5	--
Benzo[a]pyrene	50-32-8	mg/kg	1.64	1.64	--
Benzo[b]fluoranthene	205-99-2	mg/kg	5	5	--
Benzo[g,h,i]perylene	191-24-2	mg/kg	500	500	--
Benzo(k)fluoranthene	207-08-9	mg/kg	5	46	--
Chrysene	218-01-9	mg/kg	5	141	--
Dibenz[a,h]anthracene	53-70-3	mg/kg	2	5	--
Fluoranthene	206-44-0	mg/kg	500	500	--
Fluorene	86-73-7	mg/kg	360	360	--
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	--
Naphthalene	91-20-3	mg/kg	100	100	--
Phenanthrene	85-01-8	mg/kg	110	110	--
Pyrene	129-00-0	mg/kg	500	500	--

Table 2
Acceptable Soil Residential and Non-Residential Risk Reduction Standards
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Constituent	CAS #	Units	Residential RRS Type 1 and 2 [Higher Value of Type 1 and 2 RRS]	Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]	Site-Specific Type 4 Soil RRS[5]
Dioxins, Chlorinated Dibenzofurans, and Dioxin-Like PCBs					
2,3,7,8-TCDD [2] (TEQ)		mg/kg	0.00012	0.00044	0.00044
Pesticides					
Endrin	72-20-8	mg/kg	10	10	--
Endrin aldehyde	7421-93-4	mg/kg	10	10	--
DDT	50-29-3	mg/kg	0.66	2.80	--
Methoxychlor	72-43-5	mg/kg	10	28	--
Parathion	56-38-2	mg/kg	20	20	--
Polychlorinated Biphenyls					
Total PCBs[3,4]	1336-36-3	mg/kg	1.55	1.55	--
Aroclor 1254	11097-69-1	mg/kg	1.55	1.55	7.3
Aroclor 1260	11096-82-5	mg/kg	1.55	1.55	--
Inorganics					
Ammonia	7664-41-7	mg/kg	3000	3000	--
Asbestos	1332-21-4	% or ppm	1or 10,000 ppm	1or 10,000 ppm	--
Fluoride	16984-48-8	mg/kg	NA	NA	--
pH	NA	s.u.	>2 and <12.5	>2 and <12.5	--

Notes:

The acceptable soil residential and non-residential RRSs were provided by the GA EPD following the submittal of the VIRP (GA EPD 2014).

1 - The applicable groundwater delineation standard for this individual isomer is 0.001 if analytical results are reported as the individual isomers. If m- and p- isomer concentrations are only reported as combined isomer concentrations, the delineation standard defaults to the detection limit/PQL of 0.002 as proposed on revised Table 8 (second revision of the VIRP).

2 - Summed TEF-adjusted concentrations for detected polychlorinated dioxin, furans, and dioxin-like PCBs in a single sample to be compared to these media standards.

3 - PCBs are regulated as Aroclors (mixtures of various PCB homologues/congeners), total PCBs (summation of the concentrations the 197 individual non-dioxin-like PCB congeners), and the individual regulated 12 dioxin-like PCB congeners. Detected concentrations of the dioxin-like PCB congeners should be addressed using the TEF method along with the detected dioxins and chlorinated dibenzofurans.

4 - Values shown are consistent with Georgia Hazardous Site Response Rules. However, detections of PCBs in soil or groundwater may be subject to the Federal Toxic Substance Control Act (TSCA) and cleanup standards set forth within it. Participant should contact EPA regarding the applicability of TSCA at this site.

5 - The Site-Specific Type 4 RRS concentrations are based on the following:

- 1,1-Biphenyl: The USEPA industrial soil Regional Screening Level (based on a target hazard quotient of 1) of 214 mg/kg.
- 2,3,7,8-Dioxin TEQ: The concentration of 0.00044 mg/kg was originally proposed by the GA EPD to Hercules following the submittal of the VIRP (GA EPD 2014) as part of the "pre-approved" Type 1/4 RRS.
- Aroclor 1254: The concentration of 7.3 mg/kg is the more conservative of the 2018 risk assessment direct contact soil RRS and the Site-Specific Type 4 RRS derived based on protection of groundwater.

Acronyms and Abbreviations:

-- = not established
GA EPD = Georgia Environmental Protection Division
mg/kg = milligram per kilogram
NA = not applicable
PCB = polychlorinated biphenyl
ppm = parts per million
PQL = practical quantitation limit
RRS = Risk Reduction Standard
s.u. = standard unit
TEF = toxic equivalency factor
TEQ = toxicity equivalent quotient
USEPA = United States Environmental Protection Agency
VIRP = Voluntary Investigation and Remediation Plan

Table 3
Soil and Groundwater Delineation Standards
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Constituent	CAS #	Units	Soil Delineation Criteria Applicable to Entire Vadose Zone [Higher Value of Type 1 and 2 RRS]	Units	GW Delineation Criteria (Type 1 RRS)
Volatile Organic Compounds					
Acetone	67-64-1	mg/kg	400	mg/L	4
Acetonitrile	75-05-8	mg/kg	20	mg/L	0.2
Acetophenone	98-86-2	mg/kg	400	mg/L	4
Acrolein	107-02-8	mg/kg	0.1	mg/L	0.7
Benzene	71-43-2	mg/kg	0.5	mg/L	0.005
1,1-Biphenyl	92-52-4	mg/kg	1	mg/L	0.01
Carbon Disulfide	75-15-0	mg/kg	400	mg/L	4
Chlorobenzene	108-90-7	mg/kg	10	mg/L	0.1
1,4-Dichloro-2-butene	764-41-0	mg/kg	0.11	mg/L	0.001
trans-1,4-Dichloro-2-butene	110-57-6	mg/kg	0.11	mg/L	0.002
1,2-Dichloropropane	78-87-5	mg/kg	0.5	mg/L	0.005
Ethylbenzene	100-41-4	mg/kg	70	mg/L	0.7
Ethyl Methacrylate	97-63-2	mg/kg	300	mg/L	3
Isobutyl Alcohol	78-83-1	mg/kg	1000	mg/L	10
Methyl Ethyl Ketone	78-93-3	mg/kg	200	mg/L	2
Methyl Isobutyl Ketone	108-10-1	mg/kg	200	mg/L	2
Styrene	100-42-5	mg/kg	14	mg/L	0.1
Tetrachloroethene	127-18-4	mg/kg	0.5	mg/L	0.005
Toluene	108-88-3	mg/kg	100	mg/L	1
Total Xylenes[1]	1330-20-7	mg/kg	1000	mg/L	10
m-Xylene [1]	108-38-3	mg/kg	20	mg/L	0.001 (0.002)
o-Xylene[1]	95-47-6	mg/kg	20	mg/L	0.001
p-Xylene [1]	106-42-3	mg/kg	20	mg/L	0.001 (0.002)
Semi-Volatile Organic Compounds (excluding Polynuclear Aromatic Hydrocarbons)					
Aniline	62-53-3	mg/kg	2	mg/L	0.02
Bis(2-ethylhexyl)phathalate	117-81-7	mg/kg	50	mg/L	0.01
Bis(2-chloroethyl) ether	111-44-4	mg/kg	0.60	mg/L	Detection Limit
Butyl Benzyl Phthlate	85-68-7	mg/kg	50	mg/L	0.1
Total Cresols	1319-77-3	mg/kg	3.8	mg/L	0.01
m-Cresol	108-39-4	mg/kg	3.8	mg/L	0.01
o-Cresol	95-48-7	mg/kg	3.8	mg/L	0.01
p-Creso	106-44-5	mg/kg	3.8	mg/L	0.01
Dibenzofuran	132-64-9	mg/kg	1	mg/L	0.01
2,4-Dimethylphenol	105-67-9	mg/kg	70	mg/L	0.7
m-Dinitrobenzene	99-65-0	mg/kg	1.05	mg/L	0.01
Di-n-octyl Phthalate	117-84-0	mg/kg	70	mg/L	0.7
1,4-Dioxane	123-91-1	mg/kg	7	mg/L	0.07
Formaldehyde	50-00-0	mg/kg	100	mg/L	1
Ni-Nitroso-di-N-butylamine	924-16-3	mg/kg	1	mg/L	0.01
N-Nitrosomethylethylamine	10595-95-6	mg/kg	0.68	mg/L	0.01
Semi-Volatile Organic Compounds (Polynuclear/Polycyclic Aromatic Hydrocarbons)					
Acenaphthene	83-32-9	mg/kg	300	mg/L	2
Acenaphthylene	208-96-8	mg/kg	130	mg/L	0.01
Anthracene	120-12-7	mg/kg	500	mg/L	0.01
Benz[a]anthacene	56-55-3	mg/kg	5	mg/L	0.01
Benzo[a]pyrene	50-32-8	mg/kg	1.64	mg/L	0.01
Benzo[b]fluoranthene	205-99-2	mg/kg	5	mg/L	0.01
Benzo[g,h,i]perylene	191-24-2	mg/kg	500	mg/L	0.01
Benzo(k)fluoranthene	207-08-9	mg/kg	13.7	mg/L	0.01
Chrysene	218-01-9	mg/kg	43	mg/L	0.01
Dibenz[a,h]anthracene	53-70-3	mg/kg	2	mg/L	0.01
Fluoranthene	206-44-0	mg/kg	500	mg/L	1
Fluorene	86-73-7	mg/kg	360	mg/L	1
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	mg/L	0.01
Naphthalene	91-20-3	mg/kg	100	mg/L	0.02
Phenanthrene	85-01-8	mg/kg	110	mg/L	0.01
Phenol	108-95-2	mg/kg	50	mg/L	4
Pyrene	129-00-0	mg/kg	500	mg/L	1

Table 3
Soil and Groundwater Delineation Standards
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Constituent	CAS #	Units	Soil Delineation Criteria Applicable to Entire Vadose Zone [Higher Value of Type 1 and 2 RRS]	Units	GW Delineation Criteria (Type 1 RRS)
Dioxins, Chlorinated Dibenzofurans, and Dioxin-Like PCBs					
2,3,7,8-TCDD [2]		mg/kg	1.15E-04	mg/L	0.00001
Pesticides					
Endrin	72-20-8	mg/kg	10	mg/L	0.002
Endrin aldehyde	7421-93-4	mg/kg	10	mg/L	0.0001
DDT	50-29-3	mg/kg	0.84	mg/L	0.0001
Methoxychlor	72-43-5	mg/kg	10	mg/L	0.04
Parathion	56-38-2	mg/kg	20	mg/L	0.2
Polychlorinated Biphenyls (PCBs)					
Total PCBs[3,4]	1336-36-3	mg/kg	1.55	mg/L	0.0005
Aroclor 1254	11097-69-1	mg/kg	1.55	mg/L	0.0005
Aroclor 1260	11096-82-5	mg/kg	1.55	mg/L	0.0005
Inorganics and Hazardous Waste Characteristics					
Ammonia	7664-41-7	mg/kg	3000	mg/L	30
Asbestos	1332-21-4	% or ppm	1 or 10,000	(MFL)	7 million
Fluoride	16984-48-8	mg/kg	NA	mg/L	4
pH	NA	s.u.	>2 and <12.5	s.u.	>2 and <12.5

Notes:

1 - The applicable groundwater delineation standard for this individual isomer is 0.001 if analytical results are reported as the individual isomers. If m- and p- isomer concentrations are only reported as combined isomer concentrations, the delineation standard defaults to the detection limit/PQL of 0.002 as proposed on revised Table 8 (second revision of the VIRP).

2 - Summed TEF-adjusted concentrations for detected polychlorinated dioxin, furans, and dioxin-like PCBs in a single sample to be compared to these media standards.

3 - PCBs are regulated as Aroclors (mixtures of various PCB homologues/congeners), total PCBs (summation of the concentrations the 197 individual non-dioxin-like PCB congeners), and the individual regulated 12 dioxin-like PCB congeners. Detected concentrations of the dioxin-like PCB congeners should be addressed using the TEF method along with the detected dioxins and chlorinated dibenzofurans.

4 - Values shown are consistent with Georgia Hazardous Site Response Rules. However, detections of PCBs in soil or groundwater may be subject to the Federal Toxic Substance Control Act (TSCA) and cleanup standards set forth within it. Participant should contact EPA regarding the applicability of TSCA at this site.

Acronyms and Abbreviations:

mg/kg = milligram per kilogram
mg/L = millogram per liter
MFL = million fibers per liter
NA = not applicable
PCB = polychlorinated biphenyl
ppm = parts per million
PQL = practical quantitation limit
RRS = Risk Reduction Standard
s.u. = standard unit
TEF = toxic equivalency factor
VIRP = Voluntary Investigation and Remediation Plan

Table 4
Groundwater Risk Reduction Standards
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Constituent	CAS #	Units	Residential RRS Type 1 and 2 [Higher Value of Type 1 and 2 RRS]	Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]
Volatile Organic Compounds				
Acetone	67-64-1	mg/L	8	46
Acetonitrile	75-05-8	mg/L	0.2	0.2
Acetophenone	98-86-2	mg/L	4	10
Acrolein	107-02-8	mg/L	0.7	0.7
Benzene	71-43-2	mg/L	0.0054	0.0087
1,1-Biphenyl	92-52-4	mg/L	0.01	0.01
Carbon Disulfide	75-15-0	mg/L	4	4
Chlorobenzene	108-90-7	mg/L	0.1	0.14
1,4-Dichloro-2-butene	764-41-0	mg/L	0.001	0.001
trans-1,4-Dichloro-2-butene	110-57-6	mg/L	0.002	0.002
1,2-Dichloropropane	78-87-5	mg/L	0.005	0.0074
Ethylbenzene	100-41-4	mg/L	0.7	0.7
Ethyl Methacrylate	97-63-2	mg/L	3	3
Isobutyl Alcohol	78-83-1	mg/L	10	31
Methyl Ethyl Ketone	78-93-3	mg/L	2.3	12
Methyl Isobutyl Ketone	108-10-1	mg/L	2	4.2
Styrene	100-42-5	mg/L	0.5	2.6
Tetrachloroethene	127-18-4	mg/L	0.019	0.098
Toluene	108-88-3	mg/L	1	5.2
Total Xylenes[1]	1330-20-7	mg/L	10	10
m-Xylene [1]	108-38-3	mg/L	0.058	0.29
o-Xylene[1]	95-47-6	mg/L	0.058	0.29
p-Xylene [1]	106-42-3	mg/L	0.058	0.29
Semi-Volatile Organic Compounds (excluding Polynuclear Aromatic Hydrocarbons)				
Aniline	62-53-3	mg/L	0.11	0.5
Bis(2-ethylhexyl)phathalate	117-81-7	mg/L	0.061	0.2
Butyl Benzyl Phthlate	85-68-7	mg/L	3.129	15.061
Total Cresols	1319-77-3	mg/L	1.6	10
m-Cresol	108-39-4	mg/L	0.78	5.1
o-Cresol	95-48-7	mg/L	0.78	5.1
p-Creso	106-44-5	mg/L	1.560	10
Dibenzofuran	132-64-9	mg/L	0.016	0.01
2,4-Dimethylphenol	105-67-9	mg/L	0.7	2
m-Dinitrobenzene	99-65-0	mg/L	0.01	0.01
Di-n-octyl Phthalate	117-84-0	mg/L	0.7	0.7
1,4-Dioxane	123-91-1	mg/L	0.07	0.07
Formaldehyde	50-00-0	mg/L	1	20
Ni-Nitroso-di-N-butylamine	924-16-3	mg/L	0.01	0.01
N-Nitrosomethylethylamine	10595-95-6	mg/L	0.01	0.01
Semi-Volatile Organic Compounds (Polynuclear/Polycyclic Aromatic Hydrocarbons)				
Acenaphthene	83-32-9	mg/L	2	6.1
Acenaphthylene	208-96-8	mg/L	0.01	0.01
Anthracene	120-12-7	mg/L	4.7	31
Benz[a]anthacene	56-55-3	mg/L	0.01	0.01
Benzo[a]pyrene	50-32-8	mg/L	0.01	0.01
Benzo[b]fluoranthene	205-99-2	mg/L	0.01	0.01
Benzo[g,h,i]perylene	191-24-2	mg/L	0.01	0.01
Benzo(k)fluoranthene	207-08-9	mg/L	0.012	0.039
Chrysene	218-01-9	mg/L	0.12	0.04
Dibenz[a,h]anthracene	53-70-3	mg/L	0.01	0.01
Fluoranthene	206-44-0	mg/L	1	4.1
Fluorene	86-73-7	mg/L	1	4.1
Indeno(1,2,3-cd)pyrene	193-39-5	mg/L	0.01	0.01
Naphthalene	91-20-3	mg/L	0.02	0.02
Phenanthrene	85-01-8	mg/L	0.01	0.01
Pyrene	129-00-0	mg/L	1	3.1

Table 4
Groundwater Risk Reduction Standards
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Constituent	CAS #	Units	Residential RRS Type 1 and 2 [Higher Value of Type 1 and 2 RRS]	Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]
Dioxins, Chlorinated Dibenzofurans, and Dioxin-Like PCBs				
2,3,7,8-TCDD [2]		mg/L	0.00001	0.00001
Pesticides				
Endrin	72-20-8	mg/L	0.0047	0.031
Endrin aldehyde	7421-93-4	mg/L	0.0001	0.0001
DDT	50-29-3	mg/L	0.0025	0.0084
Methoxychlor	72-43-5	mg/L	0.078	0.51
Parathion	56-38-2	mg/L	0.2	0.61
Polychlorinated Biphenyls				
Total PCBs[3,4]	1336-36-3	mg/L	0.0005	0.0014
Aroclor 1254	11097-69-1	mg/L	0.0005	0.0014
Aroclor 1260	11096-82-5	mg/L	0.0005	0.0014
Inorganics				
Ammonia	7664-41-7	mg/L	30	30
Asbestos	1332-21-4	(MFL)	7	7
Fluoride	16984-48-8	mg/L	4	4.1
pH	NA	s.u.	>2 and <12.5	>2 and <12.5

Notes:

1 - The applicable groundwater delineation standard for this individual isomer is 0.001 if analytical results are reported as the individual isomers. If m- and p- isomer concentrations are only reported as combined isomer concentrations, the delineation standard defaults to the detection limit/PQL of 0.002 as proposed on revised Table 8 (second revision of the VIRP).

2 - Summed TEF-adjusted concentrations for detected polychlorinated dioxin, furans, and dioxin-like PCBs in a single sample to be compared to these media standards.

3 - PCBs are regulated as Aroclors (mixtures of various PCB homologues/congeners), total PCBs (summation of the concentrations the 197 individual non-dioxin-like PCB congeners), and the individual regulated 12 dioxin-like PCB congeners. Detected concentrations of the dioxin-like PCB congeners should be addressed using the TEF method along with the detected dioxins and chlorinated dibenzofurans.

4 - Values shown are consistent with Georgia Hazardous Site Response Rules. However, detections of PCBs in soil or groundwater may be subject to the Federal Toxic Substance Control Act (TSCA) and cleanup standards set forth within it. Participant should contact EPA regarding the applicability of TSCA at this site.

Acronyms and Abbreviations:

mg/L = millogram per liter
MFL = million fibers per liter
NA = not applicable
PCB = polychlorinated biphenyl
PQL = practical quantitation limit
RRS = Risk Reduction Standard
s.u. = standard unit
TEF = toxic equivalency factor
VIRP = Voluntary Investigation and Remediation Plan

Table 5
Groundwater Elevations - December 27-28, 2017
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Well ID	Screened Interval (ft bgs)	Top of Casing Elevation (ft amsl)	Depth to Water (ft)	Groundwater Elevation (ft amsl)
Shallow Monitoring Wells				
MW-F1	10-20	9.55	4.06	5.49
MW-F2	5-10	7.51	4.90	2.61
MW-F3R	10-20	12.53	6.82	5.71
MW-F5	10-20	11.49	5.69	5.80
MW-F6	10-20	8.59	3.00	5.59
MW-F7	10-20	13.23	5.27	7.96
MW-F8	10-20	12.59	4.76	7.83
MW-F9	10-20	11.78	3.54	8.24
MW-F11	10-20	8.58	2.35	6.23
MW-F12	10-20	9.34	2.70	6.64
MW-F13	10-20	18.47	9.73	8.74
MW-F14	10-20	8.38	2.42	5.96
MW-F15	10-20	9.79	4.13	5.66
MW-F16	10-20	8.51	2.11	6.40
MW-F17	10-20	11.36	5.51	5.85
MW-F19	10-20	10.47	4.18	6.29
MW-F21	10-20	12.46	5.90	6.56
MW-22	10-20	10.06	2.67	7.39
MW-23	10-20	9.40	5.82	3.58
MW-24	10-20	10.23	4.38	5.85
MW-25	10-20	12.72	5.30	7.42
MW-26	10-20	15.69	8.45	7.24
MW-27	10-20	10.23	2.13	8.10
MW-29	10-20	12.80	4.90	7.90
MW-32	10-20	7.05	2.63	4.42
Deep Monitoring Wells				
MWD-22	40-50	10.05	2.97	7.08
MWD-23	40-50	9.27	6.99	2.28
MWD-24	40-50	10.34	4.19	6.15
MWD-25	40-50	12.58	5.17	7.41
MWD-27	40-50	10.09	2.90	7.19
MWD-28	40-50	10.66	Destroyed	
MWD-29	40-50	13.56	6.59	6.97
MWD-30	40-50	13.41	7.96	5.45
MWD-F1	80-100	9.25	29.92	-20.67
MWD-F2	80-100	10.52	21.14	-10.62
MWD-F3	67-87	11.23	16.96	-5.73

Notes:
amsl = above mean sea level
bgs = below ground surface
ft = foot/feet

Table 6
Groundwater Sampling and Analysis Plan
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Sample ID	Screened Interval (ft bgs)	Analytical Parameters							
		VOCs (8260B)	SVOCs (8270C)	Aroclors & Congeners (8082A, 1262, 1268, 1668B)	ACM (Asbestos) (600-R-93-116)	PCB Aroclor 1254 (8082)	TEQ		1,1-Biphenyl (8270D)
							Total PCBs (1668)	Dioxins/ Furans (8290)	
MW-F3R	10-20			X					
MW-F5	10-20	X	X						
MW-F7	10-20	X	X						
MW-F15	10-20	Benzene			X				
MW-F21	10-20	X	X						
MW-27	10-20	X	X						
MW-29	10-20	X	X						
MWD-30	40-50	X	X						
TMW-18	*10-15*								*X*
TMW-19	*10-15*					*X*	*X*	*X*	
TMW-20	*10-15*								*X*
TMW-21	*10-15*					*X*	*X*	*X*	
TMW-22	*10-15*								*X*
TMW-23	*10-15*					*X*			

Notes:
Italics = Shallow monitoring well installed October 2017
The groundwater sampling and analysis plan was revised in March 2016.

Acronyms and Abbreviations:
ACM = asbestos containing material
bgs = below ground surface
ft = foot/feet
PCB = polychlorinated biphenyl
SVOC = semi-volatile organic compound
TEQ = toxicity equivalent quotient
VOC = volatile organic compound

Table 7
Groundwater Analytical Data Summary - December 2017 through May 2018
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Sample Location Sample ID Sample Date	GW Cleanup Type 1/2 RRS	GW Cleanup Type 3/4 RRS	MW-F3R MW-F3R (122817) 12/28/2017	MW-F5 MW-F5 (122717) 12/27/2017	MW-F7 MW-F7 (122717) 12/27/2017	MW-F15 MW-F15 (122817) 12/28/2017	MW-F21 MW-F21 (122717) 12/27/2017	MW-27 MW-27 (122717) 12/27/2017	MW-27 DUP-01 (122717) 12/27/2017	MW-29 MW-29 (122717) 12/27/2017	MWD-30 MWD-30 (122717) 12/27/2017	TMW-18 TMW-18 (122817) 12/28/2017	TMW-19 TMW-19 (122817) 12/28/2017	TMW-19 TMW-19 (022018) 2/20/2018	TMW-20 TMW-20 (12292017) 12/29/2017	TMW-21 TMW-21 (013118) 1/31/2018	TMW-22 TMW-22 (122817) 12/28/2017	TMW-22 TMW-22 (051818) 5/18/2018	TMW-23 TMW-23 (122817) 12/28/2017
Volatile Organic Compounds (µg/L)																			
1,2-Dichloropropane	5	7.4	NA	< 1.0 U	< 1.0 U	NA	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	2000	12000	NA	< 10 U	< 10 U	NA	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Methyl-1-propanol	10000	31000	NA	< 50 U	< 50 U	NA	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	2000	4200	NA	< 10 U	< 10 U	NA	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA
Acetone	4000	46000	NA	< 10 U	< 10 U	NA	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	NA	NA	NA	NA	NA	NA	NA	NA
Acetonitrile	200	200	NA	< 40 U	< 40 U	NA	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	NA	NA	NA	NA	NA	NA	NA	NA
Acrolein	700	700	NA	< 20 U	< 20 U	NA	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	5	8.7	NA	< 1.0 U	< 1.0 U	< 1.0 U	**1.8**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Disulfide	4000	4000	NA	< 2.0 U	< 2.0 U	NA	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	100	140	NA	< 1.0 U	< 1.0 U	NA	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Ethyl Methacrylate	3000	3000	NA	< 1.0 U	< 1.0 U	NA	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	700	700	NA	< 1.0 U	< 1.0 U	NA	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	2		NA	< 1.0 U	< 1.0 U	NA	**0.46 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1		NA	< 1.0 U	< 1.0 U	NA	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	100	2600	NA	< 1.0 U	< 1.0 U	NA	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	98	NA	< 1.0 U	**5**	NA	< 1.0 U	**1.3**	**1.3**	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1000	5200	NA	< 1.0 U	< 1.0 U	NA	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	2	10000	NA	< 1.0 U	< 1.0 U	NA	**0.46 J**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,4-Dichloro-2-butene	2	2	NA	< 2.0 U	< 2.0 U	NA	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Semi-Volatile Organic Compounds (µg/L)																			
1,1-Biphenyl	**10**	**10**	NA	< 1.1 U	< 1.0 U	NA	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	< 1.0 U	NA	NA	< 1.0 UH	NA	**1400**	**840**	NA
1,3-Dinitrobenzene	10	10	NA	< 1.1 U	< 1.0 U	NA	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dioxane	70	70	NA	< 2.1 U	< 2.0 U	NA	**3.3**	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	700	2000	NA	< 2.1 U	< 2.0 U	NA	< 2.2 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	10	5100	NA	< 2.1 U	< 2.0 U	NA	< 2.2 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	10	10000	NA	< 2.1 U	< 2.0 U	NA	< 2.2 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	2000	6100	NA	**11**	< 0.20 U	NA	**1.3**	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthylene	10	10	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Acetophenone	4000	10000	NA	< 1.1 U	< 1.0 U	NA	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Aniline	20	500	NA	< 2.1 U	< 2.0 U	NA	< 2.2 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	10	31000	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	10	10	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	10	10	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	10	10	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	10	10	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	10	39	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether			NA	< 1.1 U	< 1.0 U	NA	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	10	200	NA	< 5.3 U	< 5.0 U	NA	< 5.4 U	< 5.2 U	< 5.3 U	< 5.4 U	< 5.2 U	NA	NA	NA	NA	NA	NA	NA	NA
Butyl benzyl phthalate	100	15061	NA	< 1.1 U	< 1.0 U	NA	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	10	40	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	10	10	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Dibenzofuran	10	10	NA	< 1.1 U	< 1.0 U	NA	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	**0.15 J**	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-octyl phthalate	700	700	NA	< 1.1 U	< 1.0 U	NA	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	1000	4100	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Fluorene	1000	4100	NA	< 0.21 U	< 0.20 U	NA	**0.11 J**	< 0.21 U	< 0.21 U	< 0.21 U	**0.13 J**	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	10	10	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Naphthalene	20	20	NA	< 0.21 U	< 0.20 U	NA	**4.5**	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodi-n-butylamine	10	10	NA	< 1.1 U	< 1.0 U	NA	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-N-methylethylamine	10	10	NA	< 2.1 U	< 2.0 U	NA	< 2.2 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
Parathion	200	610	NA	< 2.1 U	< 2.0 U	NA	< 2.2 U	< 2.1 U	< 2.1 U	< 2.1 U	< 2.1 U	NA	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	10	10	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Phenol	4000		NA	< 1.1 U	< 1.0 U	NA	**3.1**	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	1000	3100	NA	< 0.21 U	< 0.20 U	NA	< 0.22 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	NA	NA	NA	NA	NA	NA	NA	NA
Aroclors (µg/L)																			
Aroclor 1254	0.5	1.4	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.99 U	NA	NA	< 1.0 U	NA	NA	< 1.0 U
Aroclor 1260	0.5	1.4	< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1262			< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268			< 1.0 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (pg/L)																			
Decachlorobiphenyl			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.8 J**	NA	< 200 U	NA	NA	NA
PCB-1			**7.8 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.1 J**	NA	**16 J**	NA	NA	NA
PCB-10			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-103			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-104			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-105			< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**110**	NA	**36**	NA	NA	NA
PCB-106			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-107/124			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10 J**	NA	**4.0 J**	NA	NA	NA
PCB-109			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18 J**	NA	**5.9 J**	NA	NA	NA
PCB-11			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	**18 J**	NA	NA	NA
PCB-110/115			**6.5 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**350 JB**	NA	**210 JB**	NA	NA	NA
PCB-111			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-112			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-114			< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	NA	< 20 U	NA	NA	NA
PCB-118			**4.7 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**280 B**	NA	**88 B**	NA	NA	NA
PCB-12/13			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 390 U	NA	< 390 U	NA	NA	NA
PCB-120			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-121			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-122			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-123			< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.8 J**	NA	< 20 U	NA	NA	NA
PCB-126			< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	NA	< 20 U	NA	NA	NA
PCB-127			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-128/166			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**57 J**	NA	**11 J**	NA	NA	NA
PCB-129/138/163			**6.0 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**320 JB**	NA	**67 JB**	NA	NA	NA
PCB-130			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**21 J**	NA	**4.8 J**	NA	NA	NA
PCB-131			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.3 J**	NA	< 200 U	NA	NA	NA
PCB-132			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**99 J**	NA	**28 J**	NA	NA	NA
PCB-133			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-134/143			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16 J**	NA	**5.2 J**	NA	NA	NA
PCB-135/151			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**64 J**	NA	**22 J**	NA	NA	NA

Table 7
Groundwater Analytical Data Summary - December 2017 through May 2018
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Sample Location Sample ID Sample Date	GW Cleanup Type 1/2 RRS	GW Cleanup Type 3/4 RRS	MW-F3R MW-F3R (122817) 12/28/2017	MW-F5 MW-F5 (122717) 12/27/2017	MW-F7 MW-F7 (122717) 12/27/2017	MW-F15 MW-F15 (122817) 12/28/2017	MW-F21 MW-F21 (122717) 12/27/2017	MW-27 MW-27 (122717) 12/27/2017	MW-27 DUP-01 (122717) 12/27/2017	MW-29 MW-29 (122717) 12/27/2017	MWD-30 MWD-30 (122717) 12/27/2017	TMW-18 TMW-18 (122817) 12/28/2017	TMW-19 TMW-19 (122817) 12/28/2017	TMW-19 TMW-19 (022018) 2/20/2018	TMW-20 TMW-20 (12292017) 12/29/2017	TMW-21 TMW-21 (013118) 1/31/2018	TMW-22 TMW-22 (122817) 12/28/2017	TMW-22 TMW-22 (051818) 5/18/2018	TMW-23 TMW-23 (122817) 12/28/2017
PCB-136			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**30 J**	NA	**12 J**	NA	NA	NA
PCB-137			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**16 J**	NA	**3.0 J**	NA	NA	NA
PCB-139/140			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.0 J**	NA	< 390 U	NA	NA	NA
PCB-14			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-141			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**44 J**	NA	**12 J**	NA	NA	NA
PCB-142			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-144			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9.7 J**	NA	**3.7 J**	NA	NA	NA
PCB-145			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-146			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**31 J**	NA	**7.2 J**	NA	NA	NA
PCB-147/149			**2.9 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**170 JB**	NA	**55 JB**	NA	NA	NA
PCB-148			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-15			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-150			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-152			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-153/168			**3.7 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**180 JB**	NA	**45 JB**	NA	NA	NA
PCB-154			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-155			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-156			< 39 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**43**	NA	**7.3 J**	NA	NA	NA
PCB-158			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**34 J**	NA	**7.6 J**	NA	NA	NA
PCB-159			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-16			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	**6.7 J**	NA	NA	NA
PCB-160			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-161			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-162			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-164			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**23 J**	NA	**5.3 J**	NA	NA	NA
PCB-165			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-167			< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12 J**	NA	**2.4 J**	NA	NA	NA
PCB-169			< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	NA	**0.57 J**	NA	NA	NA
PCB-17			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.7 J**	NA	**4.6 J**	NA	NA	NA
PCB-170			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**27 JB**	NA	**6.0 J**	NA	NA	NA
PCB-171/173			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**9.3 J**	NA	**2.2 J**	NA	NA	NA
PCB-172			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.1 J**	NA	< 200 U	NA	NA	NA
PCB-174			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**24 JB**	NA	**7.2 J**	NA	NA	NA
PCB-175			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-176			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.1 J**	NA	**0.90 J**	NA	NA	NA
PCB-177			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**13 J**	NA	**3.4 J**	NA	NA	NA
PCB-178			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.6 J**	NA	**1.3 J**	NA	NA	NA
PCB-179			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.4 J**	NA	**2.4 J**	NA	NA	NA
PCB-18/30			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.1 J**	NA	**14 J**	NA	NA	NA
PCB-180/193			**1.2 JB**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**45 JB**	NA	**12 JB**	NA	NA	NA
PCB-181			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.64 J**	NA	< 200 U	NA	NA	NA
PCB-182			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-183			**1.3 JB**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12 JB**	NA	**4.6 JB**	NA	NA	NA
PCB-184			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-185			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.7 J**	NA	< 200 U	NA	NA	NA
PCB-186			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-187			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**22 JB**	NA	**6.7 J**	NA	NA	NA
PCB-188			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-189			< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.4 J**	NA	< 20 U	NA	NA	NA
PCB-19			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	**4.7 J**	NA	NA	NA
PCB-190			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**5.4 J**	NA	**1.1 J**	NA	NA	NA
PCB-191			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.3 J**	NA	< 200 U	NA	NA	NA
PCB-192			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-194			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.3 J**	NA	**1.9 JB**	NA	NA	NA
PCB-195			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.1 J**	NA	< 200 U	NA	NA	NA
PCB-196			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.4 J**	NA	< 200 U	NA	NA	NA
PCB-197			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-198/199			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.7 J**	NA	**1.8 J**	NA	NA	NA
PCB-2			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.3 J**	NA	**2.7 J**	NA	NA	NA
PCB-20/28			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**14 J**	NA	**8.9 J**	NA	NA	NA
PCB-200			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-201			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.85 J**	NA	< 200 U	NA	NA	NA
PCB-202			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.6 J**	NA	< 200 U	NA	NA	NA
PCB-203			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4.5 J**	NA	< 200 U	NA	NA	NA
PCB-204			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-205			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-206			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.7 J**	NA	**1.4 J**	NA	NA	NA
PCB-207			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-208			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.4 J**	NA	< 200 U	NA	NA	NA
PCB-21/33			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**7.9 J**	NA	**6.3 J**	NA	NA	NA
PCB-22			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	**4.5 J**	NA	NA	NA
PCB-23			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-24			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-25			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	**3.2 J**	NA	NA	NA
PCB-26/29			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 390 U	NA	< 390 U	NA	NA	NA
PCB-27			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-3			**2.5 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.8 J**	NA	**4.0 J**	NA	NA	NA
PCB-31			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.3 JB**	NA	**13 J**	NA	NA	NA
PCB-32			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.2 J**	NA	**4.0 J**	NA	NA	NA
PCB-34			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-35			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-36			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-37			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-38			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA

Table 7
Groundwater Analytical Data Summary - December 2017 through May 2018
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Sample Location Sample ID Sample Date	GW Cleanup Type 1/2 RRS	GW Cleanup Type 3/4 RRS	MW-F3R MW-F3R (122817) 12/28/2017	MW-F5 MW-F5 (122717) 12/27/2017	MW-F7 MW-F7 (122717) 12/27/2017	MW-F15 MW-F15 (122817) 12/28/2017	MW-F21 MW-F21 (122717) 12/27/2017	MW-27 MW-27 (122717) 12/27/2017	MW-27 DUP-01 (122717) 12/27/2017	MW-29 MW-29 (122717) 12/27/2017	MWD-30 MWD-30 (122717) 12/27/2017	TMW-18 TMW-18 (122817) 12/28/2017	TMW-19 TMW-19 (122817) 12/28/2017	TMW-19 TMW-19 (022018) 2/20/2018	TMW-20 TMW-20 (12292017) 12/29/2017	TMW-21 TMW-21 (013118) 1/31/2018	TMW-22 TMW-22 (122817) 12/28/2017	TMW-22 TMW-22 (051818) 5/18/2018	TMW-23 TMW-23 (122817) 12/28/2017
PCB-39			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-4			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-40/71			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**23 JB**	NA	**16 J**	NA	NA	NA
PCB-41			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-42			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**8.3 J**	NA	**6.9 J**	NA	NA	NA
PCB-43			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-44/47/65			**47 JB**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**170 JB**	NA	**190 JB**	NA	NA	NA
PCB-45			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	**4.0 J**	NA	NA	NA
PCB-46			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.3 J**	NA	< 200 U	NA	NA	NA
PCB-48			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.0 J**	NA	**3.9 J**	NA	NA	NA
PCB-49/69			**1.8 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**56 J**	NA	**38 J**	NA	NA	NA
PCB-5			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-50/53			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**15 J**	NA	**9.6 J**	NA	NA	NA
PCB-51			**9.2 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**25 JB**	NA	**15 J**	NA	NA	NA
PCB-52			**2.1 JB**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**170 J**	NA	**280 B**	NA	NA	NA
PCB-54			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-55			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-56			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**12 J**	NA	**12 J**	NA	NA	NA
PCB-57			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-58			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-59/62/75			< 590 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.6 J**	NA	**1.8 J**	NA	NA	NA
PCB-6			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-60			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	**3.9 J**	NA	NA	NA
PCB-61/70/74/76			**2.2 JB**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**120 JB**	NA	**96 J**	NA	NA	NA
PCB-63			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-64			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**18 J**	NA	**27 J**	NA	NA	NA
PCB-66			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**49 JB**	NA	**24 J**	NA	NA	NA
PCB-67			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-68			**2.6 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**6.3 JB**	NA	**6.1 J**	NA	NA	NA
PCB-7			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-72			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-73			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-77			< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**3.7 J**	NA	**2.4 J**	NA	NA	NA
PCB-78			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-79			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-8			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-80			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-81			< 20 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 20 U	NA	< 20 U	NA	NA	NA
PCB-82			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**28 J**	NA	**18 J**	NA	NA	NA
PCB-83			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-84			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**76 J**	NA	**67 J**	NA	NA	NA
PCB-85/116/117			< 590 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**45 J**	NA	**23 J**	NA	NA	NA
PCB-86/87/97/108/119/125			< 1200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**190 J**	NA	**110 J**	NA	NA	NA
PCB-88/91			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**38 J**	NA	**24 J**	NA	NA	NA
PCB-89			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-9			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-90/101/113			< 590 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**290 JB**	NA	**160 JB**	NA	NA	NA
PCB-92			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**56 J**	NA	**31 J**	NA	NA	NA
PCB-93/100			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 390 U	NA	< 390 U	NA	NA	NA
PCB-94			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 200 U	NA	< 200 U	NA	NA	NA
PCB-95			**3.0 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**220 B**	NA	**220 B**	NA	NA	NA
PCB-96			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.8 J**	NA	**1.8 J**	NA	NA	NA
PCB-98/102			< 390 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 390 U	NA	**4.7 J**	NA	NA	NA
PCB-99			< 200 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**120 J**	NA	**53 J**	NA	NA	NA
Total Polychlorinated Biphenyls	500000	1400000	**100 J**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**4000**	NA	**2300**	NA	NA	NA
Dioxins and Furans (pg/L)																			
2,3,7,8-Tetrachlorodibenzo-p-dioxin	10000	10000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.2 UH	NA	NA	< 0.17 U	NA	NA	NA
TEQ (pg/L)																			
TEQ WHO2005 ND=0.5			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.27	NA	NA	NA	NA	NA	NA
TEQ WHO2005 ND=DL			0.00014	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.27	NA	NA	0.021	NA	NA	NA
Total PCB TEQ			0.00014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.021	NA	NA	NA
Asbestos (MFL)																			
Asbestos	7	7	NA	NA	NA	< 0.54 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (µg/L)																			
4,4-DDT	2.5	8.4	< 0.050 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin	4.7	31	< 0.050 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin aldehyde	0.1	0.1	< 0.050 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	78	510	< 0.050 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Parameters																			
pH (s.u.)	--	--	6.80	6.88	4.87	6.73	5.90	4.67	4.67	4.80	7.61	6.61	7.02	6.94	5.89	6.84	6.15	5.99	5.99

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 1/4 RRS
The Type 1/2 RRS is used for groundwater delineation and the Type 3/4 RRS is used as the groundwater cleanup standard.

Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
NA = not analyzed
PCB = polychlorinated biphenyl
pg/L = picogram per liter
RRS = Risk Reduction Standard
s.u. = standard units
TEQ = toxicity equivalent quotient
µg/L = microgram per liter

Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Table 8
Soil Boring Sampling and Analysis Plan and Summary
Compliance Status Report
Hercules Savannah Facility - Savannah, Georgia

Sample ID	Sample Interval (ft bgs)	Sample Date	Northing	Easting	Analytical Parameters			
					PCB Aroclor 1254 (8082)	TEQ		1,1-Biphenyl (8270D)
						Total PCBs (1668)	Dioxins/ Furans (8290)	
Hard Resin Area								
SB-204-1	0-2	10/26/2017	760827.12	971727.34	X	X	X	
SB-204-1A	0-2	12/29/2017	760839.48	971727.05	X	X		
SB-204-2	0-2	10/26/2017	760836.71	971709.49	X	X	X	
SB-204-2A	0-2	12/29/2017	760825.40	971757.69	X	X		
SB-204-2B	0-2	12/29/2017	760810.86	971759.39	X	X		
SB-204-3	0-2	10/26/2017	760785.42	971717.28	X	X	X	
SB-204-3A	0-2	12/29/2017	760788.29	971703.12		X	X	
SB-204-3B	0-2	12/29/2017	760782.83	971699.87		X		
SB-207-1	0-2	10/26/2017	760776.28	971639.72	X	X	X	
SB-207-2	0-2	10/26/2017	760727.08	971641.41	X	X	X	
SB-207-3	0-2	10/26/2017	760780.79	971640.14	X	X	X	
Electrical Substation 8526								
SB-122-1	0-1	10/26/2017	761092.75	971425.94	X			
SB-122-2	0-1	10/26/2017	761078.65	971423.85	X			
SB-122-3	0-1	10/26/2017	761078.42	971407.64	X			
SB-122-4	0-1	10/26/2017	761100.66	971412.21	X			
Former Dry Size Area								
SB-137-1	0-1	10/24/2017	761045.04	970980.55	X			
SB-137-1A	0-1	12/29/2017	761059.77	970983.80	X			
SB-202-1	0-2	10/24/2017	761055.93	971021.07	X	X	X	
SB-202-1A	0-2	12/29/2017	761078.90	971030.35	X	X		
SB-202-2	0-2	10/24/2017	761039.43	971019.76	X	X	X	
DS-9-1	0-2	10/24/2017	761006.19	971172.11				X
DS-9-2	0-4	10/24/2017	760992.73	971162.78				X
DS-9-2A	0-4	12/29/2017	760981.44	971168.74				X
DS-9-3	0-4	10/24/2017	760994.37	971149.92				X
DS-9-4	0-4	10/24/2017	761014.42	971155.24				X
Dowtherm Unit 2024								
SB-126-1	0-1	10/24/2017	761278.03	970640.21				X
SB-126-2	0-1	10/24/2017	761279.43	970620.98				X
SB-126-3	0-1	10/24/2017	761288.32	970618.83				X
SB-128-1	0-1	10/24/2017	761280.66	970615.12				X
SB-128-1A	0-1	12/29/2017	761285.51	970596.31				X
SB-128-1B	0-1	12/29/2017	761272.53	970580.07				X
SB-128-2	0-1	10/24/2017	761301.73	970605.53				X
SB-128-3	0-1	10/24/2017	761272.38	970603.87				X
SB-159-1	0-2	10/24/2017	761267.48	970627.01				X
SB-159-2	0-2	10/24/2017	761261.27	970623.63				X
SB-159-3	0-2	10/24/2017	761272.65	970605.16				X
SB-159-3A	0-2	12/29/2017	761253.45	970603.79				X
Dowtherm Unit 2028								
EX-21-1	0-2	10/25/2017	760848.31	972163.07				X
EX-21-1A	0-2	12/29/2017	760860.41	972163.69				X
EX-21-2	0-2	10/25/2017	760828.74	972156.15				X
EX-22-1	0-2	10/25/2017	760804.34	972181.89				X
EX-22-2	0-2	10/25/2017	760798.05	972197.99				X
EX-22-3	0-2	10/25/2017	760795.32	972170.50				X
EX-26-1	0-2	10/26/2017	760789.66	972177.40				X
EX-26-2	0-2	10/26/2017	760770.63	972190.38				X
EX-26-3	0-2	10/26/2017	760785.90	972164.88				X
SB-142-1	0-1	10/26/2017	760785.90	972211.78				X
SB-142-2	0-1	10/26/2017	760777.69	972196.87				X
SB-142-3	0-1	10/26/2017	760788.88	972190.41				X
SB-165-1	0-2	10/25/2017	760825.88	972190.27				X
SB-165-2	0-2	10/25/2017	760813.78	972199.16				X
SB-168-1	0-2	10/25/2017	760813.31	972143.78				X
SB-168-2	0-2	10/25/2017	760801.09	972134.68				X
SB-168-3	0-2	10/25/2017	760811.44	972119.31				X
SB-189-1	0-2	10/25/2017	760839.56	972148.44				X
SB-189-2	0-2	10/25/2017	760826.97	972126.22				X
SB-189-3	0-2	10/25/2017	760843.39	972121.45				X
SB-198-1	0-2	10/25/2017	760843.67	972181.69				X
SB-198-2	0-2	10/25/2017	760820.44	972172.30				X

Acronyms and Abbreviations:
bgs = below ground surface
ft = foot/feet
PCB = polychlorinated biphenyl
TEQ = toxicity equivalent quotient

Table 9
Soil Analytical Results - 2017
Compliance Status Report
Hercules Inc. - Savannah, GA

Area	Soil Type 1/2 RRS	Soil Type 3/4 RRS	Site-Specific Type 4 RRS	Former Dry Size Area					Dowtherm Unit 2024													
Location ID				DS-9-1	DS-9-2	DS-9-2A	DS-9-3	DS-9-4	SB-126-1	SB-126-2	SB-126-3	SB-128-1	SB-128-1A	SB-128-1A	SB-128-1B	SB-128-2	SB-128-2	SB-128-3	SB-159-1	SB-159-2	SB-159-3	SB-159-3A
Date				10/24/2017	10/24/2017	12/29/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017	12/29/2017	12/29/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017
Sample ID				DS-9-1 (0-2) (102417)	DS-9-2 (0-4) (102417)	DS-9-2A (12292017)	DS-9-3 (0-4) (102417)	DS-9-4 (0-4) (102417)	SB-126-1 (0-1) (102417)	SB-126-2 (0-1) (102417)	SB-126-3 (0-1) (102417)	SB-128-1 (0-1) (102417)	SB-128-1A (12292017)	DUP-2 (12292017)	SB-128-3B (12292017)	SB-128-2 (0-1) (102417)	DUP-3 (102417)	SB-128-3 (0-1) (102417)	SB-159-1 (0-2) (102417)	SB-159-2 (0-2) (102417)	SB-159-3 (0-2) (102417)	SB-159-1A (12292017)
Sample Type				N	N	N	N	N	N	N	N	N	N	FD	N	N	FD	N	N	N	N	N
Semi-Volatile Organic Compounds (µg/kg)																						
1,1-Biphenyl	**1000**	**1000**	**214,000**	91	**2,500**	110	160	130	890	170	190	**1,200,000**	**210,000**	**180,000**	< 360 UH	530	320 J	270	140	150	**2,000**	300 J

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 1/4 RRS
Red = Concentration exceeds the Site-SpecificType 4 RRS
The Type 1/2 RRS is used for groundwater delineation and the Type 3/4 RRS is used as the groundwater cleanup standard.
The Site-Specific Type 4 RRS for 1,1-biphenyl is derived using the USEPA industrial soil RSL, THQ of 1.

Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
RRS = Risk Reduction Standard
RSL = Regional Screening Level
THQ = target hazard quotient
µg/kg = microgram per kilogram
USEPA = United States Environmental Protection Agency

Data Validation Qualifiers:
H = Constituent was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Table 9
Soil Analytical Results - 2017
Compliance Status Report
Hercules Inc. - Savannah, GA

Area	Soil Type 1/2 RRS	Soil Type 3/4 RRS	Dowtherm Unit 2028																						
Location ID			EX-21-1	EX-21-1A	EX-21-2	EX-22-1	EX-22-2	EX-22-3	EX-26-1	EX-26-1	EX-26-2	EX-26-3	SB-142-1	SB-142-2	SB-142-3	SB-165-1	SB-165-2	SB-168-1	SB-168-2	SB-168-3	SB-189-1	SB-189-2	SB-189-3	SB-198-1	SB-198-2
Date			10/25/2017	12/29/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017
Sample ID			EX-21-1 (0-2) (102517)	EX-21-1A (1229 2017)	EX-21-2 (0-2) (102517)	EX-22-1 (0-2) (102517)	EX-22-2 (0-2) (102517)	EX-22-3 (0-2) (102517)	EX-26-1 (0-2) (102617)	DUP-2 (102617)	EX-26-2 (0-2) (102617)	EX-26-3 (0-2) (102617)	SB-142-1 (0-1) (102617)	SB-142-2 (0-1) (102617)	SB-142-3 (0-1) (102617)	SB-165-1 (0-2) (102517)	SB-165-2 (0-2) (102517)	SB-168-1 (0-2) (102517)	SB-168-2 (0-2) (102517)	SB-168-3 (0-2) (102517)	SB-189-1 (0-2) (102517)	SB-189-2 (0-2) (102517)	SB-189-3 (0-2) (102517)	SB-198-1 (0-2) (102517)	SB-198-2 (0-2) (102517)
Sample Type			N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	**1000**	**1,500**	< 190 U	100 J	13 J	12 J	13 J	31 J	73	< 380 U	< 37 U	< 360 U	< 370 U	150	270	12 J	86 F	580	250	120	140	70	< 41 U	110 J

Notes:
Bold = Concentration is greater than the laboratory detection lin
Shaded = Concentration exceeds the GA EPD Type 1/4 RRS
Red = Concentration exceeds the Site-SpecificType 4 RRS
The Type 1/2 RRS is used for groundwater delineation and the
Type 3/4 RRS is used as the groundwater cleanup standard.
The Site-Specific Type 4 RRS for 1,1-biphenyl is derived using l
industrial soil RSL, THQ of 1.

Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
RRS = Risk Reduction Standard
RSL = Regional Screening Level
THQ = target hazard quotient
µg/kg = microgram per kilogram
USEPA = United States Environmental Protection Agency

Data Validation Qualifiers:
H = Constituent was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Table 9
Soil Analytical Results - 2017
Compliance Status Report
Hercules Inc. - Savannah, GA

Area				Hard Resin Area												Electrical Substation 8526				Former Dry Size Area					
Location ID	Soil Type 1/2 RRS	Soil Type 3/4 RRS	Site-Specific Type 4 RRS	SB-204-1	SB-204-2	SB-204-3	SB-204-1A	SB-204-2A	SB-204-2A	SB-204-2B	SB-204-3A	SB-204-3B	SB-207-1	SB-207-2	SB-207-3	SB-122-1	SB-122-2	SB-122-3	SB-122-4	SB-137-1	SB-137-1A	SB-202-1	SB-202-1	SB-202-1A	SB-202-2
Date				10/26/2017	10/26/2017	10/26/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/24/2017	12/29/2017	10/24/2017	10/24/2017	12/29/2017	10/24/2017
Sample ID				SB-204-1 (0-2) (102617)	SB-204-2 (0-2) (102617)	SB-204-3 (0-2) (102617)	SB-204-1A (12292017)	SB-204-2A (12292017)	DUP-1 (12292017)	SB-204-2B (12292017)	SB-204-3A (12292017)	SB-204-3B (12292017)	SB-207-1 (0-2) (102617)	SB-207-2 (0-2) (102617)	SB-207-3 (0-2) (102617)	SB-122-1 (0-1) (102617)	SB-122-2 (0-1) (102617)	SB-122-3 (0-1) (102617)	SB-122-4 (0-1) (102617)	SB-137-1 (0-1) (102417)	SB-137-1A (12292017)	SB-202-1 (0-2) (102417)	DUP-1 (102417)	SB-202-1A (12292017)	SB-202-2 (0-2) (102417)
Sample Type				N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Dioxins and Furans (µg/kg)																									
2,3,7,8-Tetrachlorodibenzo-p-dioxin				< 0.0019 U	< 0.0015 U	< 0.0022 U	--	--	--	--	< 0.0030 U	--	< 0.0012 U	< 0.0013 U	< 0.0011 U	--	--	--	--	--	--	< 0.0014 U	< 0.0012 U	--	< 0.023 U
TEQ Dioxin/Furan WHO2005ND=0				0.00091	0.00056	0.01	--	--	--	--	--	--	0.0023	0.016	0.0019	--	--	--	--	--	--	0.015	0.0079	--	0.022
TEQ WHO2005 ND=0.5	0.12	0.44	0.44	--	--	--	--	--	--	--	0.0031	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ WHO2005 ND=DL				--	--	--	0.0011	0.018	0.0088	0.0043	0.021	0.0016	--	--	--	--	--	--	--	--	--	--	--	0.00094	--
Total PCB TEQ			**0.44**	0.0068	0.005	**0.5**	0.0011	0.018	0.0088	0.0043	0.018	0.0016	0.00053	0.00084	0.00093	--	--	--	--	--	--	0.0051	0.0035	0.00094	0.011
Toxicity Equivalent ND =0			**0.44**	0.0078	0.0055	**0.51**	--	--	--	--	--	--	0.0029	0.017	0.0029	--	--	--	--	--	--	0.02	0.011	--	0.033
Pesticides (µg/kg)																									
4,4-DDT	660	2800		< 1.9 U	< 2.0 U	< 2.1 U	--	--	--	--	--	--	--	--	--	43 p	< 2.1 U	< 2.0 U	< 1.9 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 1.9 U
Endrin	10000	10000		< 1.9 U	< 2.0 U	< 2.1 U	--	--	--	--	--	--	--	--	--	< 2.2 U	< 2.1 U	< 2.0 U	< 1.9 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 1.9 U
Endrin aldehyde	10000	10000		< 1.9 U	< 2.0 U	< 2.1 U	--	--	--	--	--	--	--	--	--	< 2.2 U	< 2.1 U	< 2.0 U	< 1.9 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 1.9 U
Methoxychlor	10000	28000		< 1.9 U	< 2.0 U	< 2.1 U	--	--	--	--	--	--	--	--	--	< 2.2 U	< 2.1 U	< 2.0 U	< 1.9 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 1.9 U
Aroclors (µg/kg)																									
Aroclor 1254	**1550**	**1550**	**7300**	**1600**	**5200**	400	250	**3500**	**2900**	910	--	--	--	--	--	1200	1400	900	270	**4400**	**3700**	**1700**	770	330	1100
Aroclor 1260	1550	1550	20000	< 37 U	< 38 U	< 40 U	--	--	--	--	--	--	--	--	--	< 42 U	< 41 U	< 38 U	< 37 U	< 39 U	--	< 38 U	< 37 U	--	< 36 U
Aroclor 1262				< 37 U	< 38 U	< 40 U	--	--	--	--	--	--	--	--	--	< 42 U	< 41 U	< 38 U	< 37 U	< 39 U	--	< 38 U	< 37 U	--	< 36 U
Aroclor 1268				< 37 U	< 38 U	< 40 U	--	--	--	--	--	--	--	--	--	< 42 U	< 41 U	< 38 U	< 37 U	< 39 U	--	< 38 U	< 37 U	--	< 36 U
Polychlorinated Biphenyls (µg/kg)																									
Decachlorobiphenyl				0.24	0.10 JB	0.27 JB	0.031 J	0.46	0.23 J	0.84	0.82	0.34	0.16 B	0.53 B	0.027 JB	--	--	--	--	--	--	0.40 B	0.43 B	0.12	0.55 JB
PCB-1				0.029	0.22 J	0.014 J	0.0037 J	0.089 J	0.090 J	0.055 J	0.25	0.011 J	0.0025 J	0.0046 J	0.0031 J	--	--	--	--	--	--	0.0093 J	0.032	0.0029 J	0.074 J
PCB-10				< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	0.012 J	< 0.51 U	< 0.13 U	0.054 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.024 U	< 0.024 U	< 0.11 U	< 1.2 U
PCB-103				< 0.99 U	< 0.86 U	< 2.5 U	< 0.23 U	< 2.9 U	< 1.5 U	< 0.68 U	3.3 G	< 0.49 U	< 0.12 U	< 0.26 U	< 0.16 U	--	--	--	--	--	--	< 1.3 U	< 1.0 U	< 0.22 U	< 2.0 U
PCB-104				0.0048 J	0.021 J	0.013 J	< 0.23 U	0.027 J	0.010 J	0.021 J	0.38	< 0.12 U	< 0.12 U	< 0.13 U	0.0043 J	--	--	--	--	--	--	0.0041 J	0.0042 J	< 0.11 U	< 1.2 U
PCB-105				56	39	100	9.0 B	150 EB	74 EB	35 BE	150 EB	11 B	4.3	6	7.2	--	--	--	--	--	--	39 G	36 G	7.2 B	94 G
PCB-106				< 0.90 U	< 0.78 U	< 2.2 U	< 0.23 U	< 2.7 U	< 1.4 U	< 0.62 U	< 2.9 U	< 0.45 U	< 0.12 U	< 0.23 U	< 0.15 U	--	--	--	--	--	--	< 1.1 U	< 0.91 U	< 0.20 U	< 1.8 U
PCB-107/124				5.9	3.9	8.8	0.83	14 G	6.8 G	3.4 G	17 G	1.2 G	0.4	0.55	0.63	--	--	--	--	--	--	3.7 G	4.3 G	0.86	8.8
PCB-109				9.5	7	20	1.4 B	26 EB	12 B	6.1 G	26 EB	2.1 G	0.69	1.1	1.4	--	--	--	--	--	--	5.9 G	6.2 G	1.2 B	14 G
PCB-11				0.0061 J	< 0.47 U	0.055 J	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	< 0.23 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	0.012 J	0.0096 J	0.0066 JB	< 1.2 U
PCB-110/115				150	110	290	24 B	410 EB	200 EB	91 BE	450 EB	45 BE	12 B	26	24	--	--	--	--	--	--	150 G	68 B	26 EB	320 B
PCB-111				< 0.85 U	< 0.74 U	< 2.1 U	< 0.23 U	< 2.5 U	< 1.3 U	< 0.58 U	< 2.7 U	< 0.42 U	< 0.12 U	< 0.22 U	< 0.14 U	--	--	--	--	--	--	< 1.1 U	< 0.86 U	< 0.19 U	< 1.7 U
PCB-112				< 0.88 U	< 0.76 U	< 2.2 U	< 0.23 U	< 2.6 U	< 1.4 U	< 0.60 U	< 2.8 U	< 0.44 U	< 0.12 U	< 0.23 U	< 0.14 U	--	--	--	--	--	--	< 1.1 U	< 0.89 U	< 0.19 U	< 1.8 U
PCB-114				3.5	1.5	4.1	0.30 G	6.6 G	2.7 G	1.5 G	6.9 G	0.51 G	0.14	0.3	0.28	--	--	--	--	--	--	2.2 G	2.1 G	0.26 G	6.2 G
PCB-118				130	96	240	22 B	320 EB	170 EB	83 BE	330 EB	29 BE	9.4	16	18	--	--	--	--	--	--	92 G	49 G	18 EB	210 G
PCB-12/13				0.020 J	0.052 J	< 1.0 U	< 0.46 U	0.053 J	< 1.0 U	< 0.25 U	0.18 J	< 0.23 U	< 0.24 U	< 0.25 U	< 0.22 U	--	--	--	--	--	--	0.012 J	0.013 J	< 0.22 U	0.091 J
PCB-120				< 0.81 U	< 0.70 U	< 2.0 U	< 0.23 U	< 2.4 U	< 1.2 U	< 0.55 U	< 2.6 U	< 0.40 U	< 0.12 U	< 0.21 U	< 0.13 U	--	--	--	--	--	--	< 1.0 U	< 0.82 U	< 0.18 U	< 1.6 U
PCB-121				< 0.81 U	< 0.70 U	< 2.0 U	< 0.23 U	< 2.4 U	< 1.2 U	< 0.55 U	< 2.6 U	< 0.40 U	< 0.12 U	< 0.21 U	< 0.13 U	--	--	--	--	--	--	< 1.0 U	< 0.82 U	< 0.18 U	< 1.6 U
PCB-122				1.2	< 0.83 U	< 2.4 U	< 0.23 U	< 2.8 U	< 1.5 U	< 0.65 U	< 3.0 U	< 0.47 U	< 0.12 U	< 0.25 U	0.16	--	--	--	--	--	--	1.4 G	1.4 G	< 0.21 U	< 1.9 U
PCB-123				2	1.3	< 2.5 U	0.24 G	4.7 G	2.2 G	1.2 G	6.7 G	< 0.45 U	0.14	< 0.24 U	0.21	--	--	--	--	--	--	< 1.1 U	1.4 G	0.29 G	2.9 G
PCB-126				< 0.81 U	< 0.80 U	4.9	< 0.16 U	< 2.6 U	< 1.4 U	< 0.63 U	< 3.2 U	< 0.45 U	< 0.11 U	< 0.24 U	< 0.14 U	--	--	--	--	--	--	< 1.9 U	< 1.2 U	< 0.21 U	< 2.0 U
PCB-127				< 0.90 U	< 0.78 U	< 2.2 U	< 0.23 U	< 2.6 U	< 1.4 U	< 0.61 U	< 2.8 U	< 0.45 U	< 0.12 U	< 0.23 U	< 0.15 U	--	--	--	--	--	--	< 1.1 U	< 0.91 U	< 0.20 U	< 1.8 U
PCB-128/166				26	20 B	60	4.2 B	88 EB	39 B	16 B	84 EB	11 B	3.3 B	5.7 B	4.1 B	--	--	--	--	--	--	22 G	20 G	4.6 B	49 B
PCB-129/138/163				150	110 B	350	25 B	500 EB	230 EB	88 BE	510 EB	87 BE	21 B	31 B	24 B	--	--	--	--	--	--	150 EB	63 B	26 B	270 B
PCB-130				9.9	7.5	26	1.6 B	33 EB	15 B	5.6 B	34 EB	4.0 B	1.2	2.3	1.5	--	--	--	--	--	--	10 G	8.6 G	1.7 B	19 G
PCB-131				2	1.2	4.4	0.29	6.1 G	2.6 G	0.98 G	7.6 G	< 1.9 U	0.18	0.42	0.27	--	--	--	--	--	--	2.0 G	1.9 G	0.33	3.9 G
PCB-132				41	31 B	100	6.6 B	140 EB	62 EB	23 BE	160 EB	22 BE	5.5 B	9.9 B	7.0 B	--	--	--	--	--	--	45 G	38 G	7.8 B	87 G
PCB-133				1.6	1.1	3.7	0.23	5.2 G	2.3 G	0.84 G	5.8 G	< 1.8 U	0.18	0.32	0.24	--	--	--	--	--	--	1.2 G	1.3 G	0.23	2.7 G
PCB-134/143				7.1	4.8	16	1.0 B	24 B	10 B	3.8 G	28 B	3.2 G	0.75	1.6	1.1	--	--	--	--	--	--	7.3 G	6.5 G	1.2 B	13
PCB-135/151				28	19 B	64	4.1 B	91 EB	41 B	16 B	120 EB	26 BE	4.3 B	6.1 B	5.2 B	--	--	--	--	--	--	33 G	24 G	4.5 B	16 B
PCB-136				11	8.0 B	26	1.7 B	37 EB	16 B	6.6 B	50 EB	8.0 B	1.6 B	2.6 B	2.1 B	--	--	--	--	--	--	14 G	10 G	2.0 B	23 G
PCB-137				7.9	5.7	16	1.2 B	24 B	10 B	4.3 B	26 EB	2.1 B	0.9	1.8	1.2	--	--	--	--	--	--	8.0 G	6.9 G	1.4 B	15 G
PCB-139/140				2.5	1.7	6.1	0.38 J	8.1 G	3.5	1.4 G	9.0 G	< 1.7 U	0.27	0.53	0.38	--	--	--	--	--	--	2.4 G	2.3 G	0.42	4.5
PCB-14				< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	< 0.23 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.024 U	< 0.024 U	< 0.11 U	< 1.2 U
PCB-141				21	14 B	41	3.4 B	70 EB	30 B	11 B	87 EB	19 BE	3.5 B	4.5 B	3.5 B	--	--	--	--	--	--	14 G	11 G	3.8 B	36 G
PCB-142				< 0.28 U	< 0.47 U	< 1.6 U	< 0.23 U	< 2.3 U	< 1.1 U	< 0.35 U	< 1.1 U	< 1.9 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.65 U	< 0.27 U	< 0.11 U	< 2.1 U
PCB-144				4.4	2.7	9.8	0.67 B	14 B	6.0 B	2.3 B	19 B	3.6 B	0.63	0.93	0.69	--	--	--	--	--	--	3.5 G	3.6 G	0.73 B	< 1.8 U
PCB-145				< 0.18 U	< 0.47 U	< 1.0 U	< 0.23 U	< 1.5 U	< 0.69 U	< 0.22 U	< 0.72 U	< 1.2 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.41 U	< 0.17 U	< 0.11 U	< 1.4 U
PCB-146				14	11	41	2.3 B	50 EB	22 B	8.3 B	55 EB	11 B	2.2	3.3	2.4	--	--	--	--	--	--	14 G	11 G	2.4 B	25 G
PCB-147/149				77 B	55 B	180	12 B	260 EB	110 B	43 BE	310 EB	62 BE	9.7 B	17 B	14 B	--	--	--	--	--	--	82 G	63 G	13 B	140 B
PCB-148				< 0.23 U	< 0.47 U	< 1.3 U	< 0.23 U	< 1.9 U	< 0.92 U	< 0.30 U	< 0.96 U	< 1.7 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.55 U	< 0.23 U	< 0.11 U	< 1.8 U
PCB-15				0.086	0.15 J	0.13 J	0.014 J	0.22 J	0.16 J	0.099 J	0.61	0.036 J	< 0.12 U	0.012 J	0.0077 J	--	--	--	--	--	--	0.13	0.15	0.015 J	0.76 J
PCB-150				< 0.17 U	< 0.47 U	< 0.94 U	< 0.23 U	< 1.4 U	< 0.65 U	< 0.21 U	< 0.68 U	< 1.2 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.39 U	< 0.16 U	< 0.11 U	< 1.3 U
PCB-152				< 0.17 U	< 0.47 U	< 0.97 U	< 0.23 U	< 1.4 U	< 0.67 U	< 0.22 U	< 0.70 U	< 1.2 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.40 U	< 0.17 U	< 0.11 U	< 1.3 U
PCB-153/168				91 B	65 B	220	15 B	300 EB	140 EB	51 BE	340 EB	76 BE	14 B	18 B	15 B	--	--	--	--	--	--	61 G	41 G	15 B	110 B
PCB-154				< 0.21 U	0.38 J	2.3	0.11 J	2.3 G	< 0.83 U	0.39 G	2.9 G	< 1.5 U	< 0.12 U	0.11 J	0.086 J	--	--	--	--	--	--	< 0.50 U	0.50 G	0.089 J	32 G
PCB-155				< 0.18 U	< 0.47 U	< 0.86 U	< 0.23 U	< 1.5 U	< 0.65 U	< 0.24 U	< 0.65 U	< 1.3 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.32 U	< 0.17 U	< 0.11 U	< 1.2 U
PCB-156				22	16	42	3.7 B	69 EB	29 B	13 B	66 EB	8.5 B	2.3 B	3.6 B	3.2 B	--	--	--	--	--	--	22 G	19 G	3.6 B	41 G
PCB-158				16	11 B	33	2.6 B	53 EB	23 B	9.1 B	57 EB	8.1 B	2.2 B	3.5 B	2.6 B	--	--	--	--	--	--	16 G	14 G	2.8 B	30 G
PCB-159				0.34	0.19 J	0.73	0.047 J	0.94 G	0.43 J	0.17	1.9 G	1.3	0.13	0.074 J	0.074 J	--	--	--	--	--	--	0.40 G	0.28 G	0.054 J	0.52 J
PCB-16				0.31	0.21 J	0.21 J	0.024 J	0.43	0.25 J	0.21	3.1	0.027 J	0.0065 J	0.023 J	0.018 J	--	--	--	--	--	--	0.73	0.47	0.022 J	--
PCB-160				< 0.22 U	< 0.47 U	< 1.3 U	< 0.23 U	< 1.8 U	< 0.87 U	< 0.28 U	< 0.91 U	< 1.6 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.52 U	< 0.21 U	< 0.11 U	< 1.7 U
PCB-161				< 0.21 U	< 0.47 U	< 1.2 U	< 0.23 U	< 1.7 U	< 0.81 U	< 0.26 U	< 0.84 U	< 1.4 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.48 U	< 0.20 U	< 0.11 U	< 1.6 U
PCB-162				0.52	0.33 J	1.4	0.091 J	1.5 G	0.69	0.3	1.5 G	0.2	0.055 J	0.11 J	0.072 J	--	--	--	--	--	--	0.42 G	0.42 G	0.087 J	0.85 J

Table 9
Soil Analytical Results - 2017
Compliance Status Report
Hercules Inc. - Savannah, GA

Area	Soil Type 1/2 RRS	Soil Type 3/4 RRS	Site-Specific Type 4 RRS	Hard Resin Area												Electrical Substation 8526				Former Dry Size Area					
Location ID				SB-204-1	SB-204-2	SB-204-3	SB-204-1A	SB-204-2A	SB-204-2A	SB-204-2B	SB-204-3A	SB-204-3B	SB-207-1	SB-207-2	SB-207-3	SB-122-1	SB-122-2	SB-122-3	SB-122-4	SB-137-1	SB-137-1A	SB-202-1	SB-202-1	SB-202-1A	SB-202-2
Date				10/26/2017	10/26/2017	10/26/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/24/2017	12/29/2017	10/24/2017	10/24/2017	12/29/2017	10/24/2017
Sample ID				SB-204-1 (0-2)	SB-204-2 (0-2)	SB-204-3 (0-2)	SB-204-1A	SB-204-2A	DUP-1	SB-204-2B	SB-204-3A	SB-204-3B	SB-207-1 (0-2)	SB-207-2 (0-2)	SB-207-3 (0-2)	SB-122-1 (0-1)	SB-122-2 (0-1)	SB-122-3 (0-1)	SB-122-4 (0-1)	SB-137-1 (0-1)	SB-137-1A	SB-202-1 (0-2)	DUP-1	SB-202-1A	SB-202-2 (0-2)
				(102617)	(102617)	(102617)	(12292017)	(12292017)	(12292017)	(12292017)	(12292017)	(12292017)	(102617)	(102617)	(102617)	(102617)	(102617)	(102617)	(102617)	(102417)	(12292017)	(102417)	(102417)	(12292017)	(102417)
Sample Type				N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
PCB-164				9.7	7	23	1.5 B	34 EB	15 B	5.6 B	36 EB	6.4 B	1.4	2.1	1.6	--	--	--	--	--	--	8.3 G	7.6 G	1.6 B	18 G
PCB-165				< 0.21 U	< 0.47 U	< 1.2 U	< 0.23 U	< 1.7 U	< 0.83 U	< 0.27 U	< 0.86 U	< 1.5 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.49 U	< 0.20 U	< 0.11 U	< 1.6 U
PCB-167				6.5	4.6	18	1.1 B	20 B	9.1 B	3.9 B	20 B	3.1 B	0.72	1.2	1	--	--	--	--	--	--	6.5 G	5.6 G	1.1 B	11 G
PCB-169				< 0.12 U	< 0.076 U	< 0.22 U	< 0.023 U	< 0.30 U	< 0.15 U	< 0.063 U	< 0.35 U	< 0.070 U	< 0.012 U	< 0.013 U	< 0.012 U	--	--	--	--	--	--	< 0.17 U	< 0.072 U	< 0.017 U	< 0.18 U
PCB-17				0.27	0.53	0.20 J	0.024 J	0.6	0.38 J	0.94	13	0.025 J	0.0045 J	0.023 J	0.091 J	--	--	--	--	--	--	0.64	0.4	0.029 J	--
PCB-170				15	10 B	29 B	2.6 B	44 EB	19 B	8.9 B	58 EB	40 BE	3.9 B	3.3 B	3.1 B	--	--	--	--	--	--	18 EB	12 EB	2.8 B	27 B
PCB-171/173				5.0 E	3.3	10	0.85 B	14 B	6.0 B	2.8 B	21 B	12 B	1.3	1.1	1	--	--	--	--	--	--	6.1 E	4	0.91 B	9
PCB-172				2.3	1.5	4.6	0.39 B	6.5 B	2.7 B	1.3	10 B	7.5	0.65	0.48	0.49	--	--	--	--	--	--	2.7 E	1.8	0.41 B	3.9
PCB-174				14	8.5 B	25 B	2.2 B	37 EB	16 B	7.4 B	69 EB	51 BE	4.2 B	2.8 B	3.1 B	--	--	--	--	--	--	18 EB	10 EB	2.4 B	24 B
PCB-175				0.57	0.34 J	1.4	0.087 J	1.6	0.69	0.26	3	1.5	0.17	0.12 J	0.13	--	--	--	--	--	--	0.64	0.42	0.098 J	1.0 J
PCB-176				1.5	0.86	3	0.20 J	4.1	1.7	0.65	8.2	4	0.44	0.29	0.33	--	--	--	--	--	--	1.7	0.93	0.24	2.2
PCB-177				7.4	4.9	17	1.2 B	20 B	8.7 B	4.0 B	33 EB	24 BE	2.2	1.5	1.6	--	--	--	--	--	--	9.5 E	5.5 E	1.3 B	12
PCB-178				2.2	1.4	4.9	0.31	6	2.5	1	12	7.3	0.69	0.41	0.49	--	--	--	--	--	--	2.7 E	1.4	0.33	3.4
PCB-179				4.3 E	2.5	8.9	0.57 B	12 B	4.8 B	2.0 B	26 EB	14 BE	1.3	0.77	1	--	--	--	--	--	--	6.0 E	2.9 E	0.65 B	7.1
PCB-18/30				0.77 B	0.52 JB	0.57 JB	0.070 J	1.1	0.69 J	0.83	13	0.066 J	0.011 JB	0.058 JB	0.058 JB	--	--	--	--	--	--	1.9 B	1.0 B	0.056 J	--
PCB-180/193				27	16 B	47 B	4.2 B	72 EB	29 B	15 B	130 EB	100 BE	8.0 B	5.2 B	5.8 B	--	--	--	--	--	--	33 EB	19 EB	4.6 B	44 B
PCB-181				0.28	0.23 J	0.43 J	0.059 J	0.95	0.41 J	0.18	0.91	0.15	0.036 J	0.066 J	0.047 J	--	--	--	--	--	--	0.28	0.26	0.059 J	0.56 J
PCB-182				0.093	0.078 J	0.23 J	0.014 J	0.35	0.16 J	0.044 J	0.42	0.10 J	0.017 J	0.020 J	0.016 J	--	--	--	--	--	--	< 0.024 U	0.057	0.015 J	0.15 J
PCB-183				6.7	3.9 B	14 B	1.0 B	17 B	7.0 B	3.4 B	33 EB	21 BE	1.9 B	1.3 B	1.4 B	--	--	--	--	--	--	9.1 EB	5.0 EB	1.1 B	11 B
PCB-184				< 0.024 U	< 0.47 U	0.076 J	0.0031 J	0.041 J	0.019 J	0.0072 J	0.068 J	0.0070 J	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.024 U	< 0.024 U	0.0024 J	< 1.2 U
PCB-185				1.1	0.56	1.2	0.18 J	2.8	1.2	0.58	6.2	5.1	0.46	0.22	0.3	--	--	--	--	--	--	2.6 E	1.1	0.19	2.2
PCB-186				< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	0.020 J	< 0.51 U	< 0.13 U	0.023 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.024 U	< 0.024 U	< 0.11 U	< 1.2 U
PCB-187				13	7.5 B	27 B	1.7 B	34 EB	14 B	6.0 B	70 EB	45 BE	4.0 B	2.3 B	2.8 B	--	--	--	--	--	--	15 EB	7.7 EB	1.9 B	20 B
PCB-188				< 0.024 U	0.013 J	0.10 J	0.0034 J	0.045 J	0.019 J	0.013 J	0.11 J	0.020 J	< 0.12 U	0.0028 J	0.0034 J	--	--	--	--	--	--	< 0.024 U	0.010 J	0.0025 J	< 1.2 U
PCB-189				0.53	0.45	1.2	0.11 F	1.9	0.79	0.34	2.1	1.2	0.14	0.14	0.12	--	--	--	--	--	--	0.71	0.48 q	0.11	1.1
PCB-19				0.08	0.11 J	0.066 J	0.0083 J	0.24	0.14 J	0.38	5.1	0.014 J	< 0.12 U	0.011 J	0.021 J	--	--	--	--	--	--	0.18	0.14	0.013 J	0.53 J
PCB-190				2.7	1.8 B	3.9 B	0.45	7.7	3.2	1.6 B	11	8.4 B	0.74 B	0.55 B	0.58 B	--	--	--	--	--	--	3.2 EB	2.1 B	0.48	4.6 B
PCB-191				0.59	0.37 J	1.2	0.098 J	1.7	0.74	0.34	2.6	1.8	0.17	0.13	0.13	--	--	--	--	--	--	0.72	0.48	0.11	1.0 J
PCB-192				< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	< 0.23 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.024 U	< 0.024 U	< 0.11 U	< 1.2 U
PCB-194				4.3	2.1 B	6.0 B	0.52	9.5	3.9	2.6 B	18	25 BE	1.3 B	0.66 B	0.79 B	--	--	--	--	--	--	5.3 EB	2.5 EB	0.54	5.4 B
PCB-195				1.8	0.76	1.9	0.20 J	3.5	1.5	0.94	7.7	10	0.57	0.27	0.37	--	--	--	--	--	--	3.2 E	1.3	0.21	2.4
PCB-196				2.5 E	1.1	3.6	0.29	5.7	2.2	1.2	12	11	0.74	0.42	0.5	--	--	--	--	--	--	4.1 E	1.6	0.31	3.6
PCB-197				0.18	0.086 J	0.32 J	0.022 J	0.4	0.17 J	0.069 J	0.94	0.59	0.057 J	0.035 J	0.037 J	--	--	--	--	--	--	0.34	0.15	0.024 J	0.28 J
PCB-198/199				5.6 E	2.5	7.2	0.64	13	5.1	3.0 B	26	24 BE	1.4	0.85	1.1	--	--	--	--	--	--	6.6 E	3	0.64	7.4
PCB-2				0.0040 J	0.029 J	0.0039 J	0.0030 J	0.010 J	0.011 J	0.0095 J	0.024 J	0.0043 J	0.0018 J	0.0031 J	0.0010 J	--	--	--	--	--	--	0.0030 J	0.0041 J	0.0020 J	0.0082 J
PCB-20/28				1.2 B	1.8 B	0.69 JB	0.12 JB	2.3 B	1.4 B	4.0 B	55 EB	0.17 JB	0.024 JB	0.095 JB	0.77 B	--	--	--	--	--	--	2.3 B	1.3 B	0.12 JB	--
PCB-200				0.82	0.32 J	0.73	0.081 J	1.6	0.68	0.36	3.6	3	0.2	0.11 J	0.14	--	--	--	--	--	--	1.2	0.59 q	0.082 J	0.94 J
PCB-201				0.7	0.29 J	1	0.078 J	1.5	0.61	0.31	3.6	2.4	0.14	0.088 J	0.12	--	--	--	--	--	--	1.2	0.43 q	0.082 J	0.95 J
PCB-202				1.1	0.49	1.4	0.12 J	2.4	0.9	0.64	5	4.1	0.22	0.14	0.14	--	--	--	--	--	--	1.4	0.63	0.12	1.1 J
PCB-203				3.6 E	1.6	3.9	0.42	8.8	3.4	1.9	16	14 E	0.88	0.55	0.62	--	--	--	--	--	--	5.5 E	2.5 E	0.43	4.8
PCB-204				< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	< 0.23 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.024 U	< 0.024 U	< 0.11 U	< 1.2 U
PCB-205				0.23	0.12 J	0.31 J	0.031 J	0.58	0.25 J	0.13	1	1.2	0.074 J	0.040 J	0.049 J	--	--	--	--	--	--	0.34	0.16	0.032 J	0.33 J
PCB-206				2.5	1.2	2.9	0.28 F	6.6	2.5	1.6	7.6	5.9	0.33	0.4	0.23	--	--	--	--	--	--	2.9 E	2.2	0.35	3.2
PCB-207				0.33	0.16 J	0.39 J	0.038 J	0.88	0.33 J	0.19	1.2	0.68	0.041 J	0.061 J	0.029 J	--	--	--	--	--	--	0.34	0.23	0.036 J	0.33 J
PCB-208				0.6	0.29 J	0.64	0.074 J	1.5	0.6	0.45	2.2	1.2	0.080 J	0.12 J	0.049 J	--	--	--	--	--	--	0.74	0.61	0.095 J	0.87 J
PCB-21/33				1.5 B	1.1 B	0.39 JB	0.31 JB	3.3 B	2.1 B	1.1 B	8.3 B	0.15 JB	0.025 JB	0.083 JB	0.070 JB	--	--	--	--	--	--	1.1 B	0.64 B	0.057 JB	--
PCB-22				0.38	0.26 J	0.31 J	0.038 J	0.53	0.30 J	0.36	5.8 G	0.047 J	0.0063 J	0.023 J	0.043 J	--	--	--	--	--	--	0.67 G	0.42	0.028 J	--
PCB-23				< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	< 0.36 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.043 U	< 0.024 U	< 0.11 U	--
PCB-24				0.011 J	0.0036 J	0.0066 J	< 0.23 U	0.021 J	< 0.51 U	< 0.13 U	< 0.23 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.024 U	0.016 J	< 0.11 U	--
PCB-25				0.092	0.12 J	0.045 J	< 0.23 U	0.12 J	0.051 J	0.033 J	0.49 G	0.010 J	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	0.16 G	0.099	0.0081 J	--
PCB-26/29				0.18	0.13 J	0.16 J	0.018 J	0.32 J	0.19 J	0.091 J	1.3	0.024 J	< 0.24 U	0.016 J	0.012 J	--	--	--	--	--	--	0.35	0.21	0.013 J	--
PCB-27				0.042	0.046 J	0.049 J	< 0.23 U	0.072 J	0.041 J	0.037 J	0.68	0.0067 J	< 0.12 U	< 0.13 U	0.0043 J	--	--	--	--	--	--	0.14	0.079	0.0046 J	--
PCB-3				0.013 J	0.096 J	0.0091 J	0.0039 J	0.042 J	0.035 J	0.024 J	0.11 J	0.0065 J	0.0027 J	0.0053 J	0.0021 J	--	--	--	--	--	--	0.0047 J	0.013 J	0.0025 J	0.026 J
PCB-31				1.5 B	1.0 B	1.1 B	0.14 JB	2.5 B	1.4 B	1.9 B	23 EB	0.17 B	0.026 JB	0.089 JB	0.19 B	--	--	--	--	--	--	2.4 G	1.5 B	0.093 JB	--
PCB-32				0.22	0.75	0.20 J	0.023 J	0.61	0.41 J	2.9	37 E	0.043 J	0.0029 J	0.029 J	0.45	--	--	--	--	--	--	0.55	0.35	0.048 J	--
PCB-34				< 0.024 U	0.037 J	< 0.50 U	< 0.23 U	0.14 J	0.087 J	< 0.13 U	< 0.37 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.044 U	< 0.024 U	< 0.11 U	--
PCB-35				0.028	0.036 J	0.12 J	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	< 0.37 U	0.010 J	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.045 U	< 0.024 U	0.0055 J	--
PCB-36				< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	< 0.34 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	0.20 G	< 0.024 U	< 0.11 U	--
PCB-37				0.5	0.38 J	0.82	0.068 J	0.94	0.6	0.29	3.3 G	0.11 J	0.021 J	0.039 J	0.031 J	--	--	--	--	--	--	0.51 G	0.34 G	0.040 J	--
PCB-38				< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	< 0.38 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.046 U	< 0.024 U	< 0.11 U	--
PCB-39				< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	< 0.34 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.040 U	< 0.024 U	< 0.11 U	--
PCB-4				0.097	0.19 J	0.059 J	< 0.23 U	0.23 J	< 0.51 U	0.17	1.8	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	0.086	0.21 q	0.0090 J	0.49 J
PCB-40/71				3.1 B	5.4 B	4.3 B	0.37 JB	7.8 B	3.9 B	3.3 B	57 EB	0.52 B	0.093 JB	0.25 B	1.4 B	--	--	--	--	--	--	4.2 B	2.7 B	0.30 B	--
PCB-41				0.29	0.068 J	0.29 J	0.025 J	0.29	0.14 J	< 0.13 U	1.6 G	0.032 J	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.025 U	0.18 G	< 0.11 U	--
PCB-42				1.6	2.2 B	1.9 B	0.17 JB	4.0 B	1.9 B	1.9 B	31 EB	0.22 B	0.042 JB	0.12 JB	0.44 B	--	--	--	--	--	--	1.4 B	1.0 G	0.15 B	--
PCB-43				0.21	0.13 J	0.14 J	0.028 J	0.5	0.18 J	< 0.13 U	2.3 G	< 0.12 U	< 0.12 U	0.0075 J	0.018 J	--	--	--	--	--	--	< 0.025 U	< 0.028 U	0.0078 J	--
PCB-44/47/65				18	21 B	22 B	2.4 B	44 B	21 B	15 B	200 EB	2.4 B	0.61 B	1.5 B	3.9 B	--	--	--	--	--	--	17 EB	15 EB	1.5 B	--
PCB-45				0.43	< 0.47 U	0.59	0.052 JB	0.65 B	0.45 JB	< 0.13 U	< 0.38 U	0.069 J	0.012 J	0.031 J	< 0.11 U	--	--	--	--	--	--	1.4	0.69 G	0.043 JB	--
PCB-46				0.22	0.52	0.29 J	< 0.23 U	0.78	0.41 J	0.97	13 G	0.030 J	< 0.12 U	0.022 J	0.11	--	--	--	--	--	--	0.44 G	0.21 G	0.029 J	--

Table 9
Soil Analytical Results - 2017
Compliance Status Report
Hercules Inc. - Savannah, GA

Area	Soil Type 1/2 RRS	Soil Type 3/4 RRS	Site-Specific Type 4 RRS	Hard Resin Area												Electrical Substation 8526				Former Dry Size Area					
Location ID				SB-204-1	SB-204-2	SB-204-3	SB-204-1A	SB-204-2A	SB-204-2A	SB-204-2B	SB-204-3A	SB-204-3B	SB-207-1	SB-207-2	SB-207-3	SB-122-1	SB-122-2	SB-122-3	SB-122-4	SB-137-1	SB-137-1A	SB-202-1	SB-202-1	SB-202-1A	SB-202-2
Date				10/26/2017	10/26/2017	10/26/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/24/2017	12/29/2017	10/24/2017	10/24/2017	12/29/2017	10/24/2017
Sample ID				SB-204-1 (0-2)	SB-204-2 (0-2)	SB-204-3 (0-2)	SB-204-1A	SB-204-2A	DUP-1	SB-204-2B	SB-204-3A	SB-204-3B	SB-207-1 (0-2)	SB-207-2 (0-2)	SB-207-3 (0-2)	SB-122-1 (0-1)	SB-122-2 (0-1)	SB-122-3 (0-1)	SB-122-4 (0-1)	SB-137-1 (0-1)	SB-137-1A	SB-202-1 (0-2)	DUP-1	SB-202-1A	SB-202-2 (0-2)
				(102617)	(102617)	(102617)	(12292017)	(12292017)	(12292017)	(12292017)	(12292017)	(12292017)	(102617)	(102617)	(102617)	(102617)	(102617)	(102617)	(102617)	(102417)	(12292017)	(102417)	(102417)	(12292017)	(102417)
Sample Type				N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
PCB-48				0.98	0.43 JB	1.1 B	0.10 JB	1.4 B	0.68 B	0.36	5.6 B	0.10 J	0.017 JB	0.056 JB	0.049 JB	--	--	--	--	--	--	1.5 B	0.81 B	0.054 JB	--
PCB-49/69				9.9	14 B	12 B	1.2 B	28 B	14 B	11 B	140 EB	1.5 B	0.27 B	0.79 B	2.3 B	--	--	--	--	--	--	8.4 EB	7.6 EB	0.88 B	--
PCB-5				0.024	0.023 J	< 0.50 U	< 0.23 U	0.019 J	< 0.51 U	0.030 J	0.16 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.024 U	0.016 J	< 0.11 U	< 1.2 U
PCB-50/53				0.97 B	3.3 B	1.4 B	0.12 JB	3.4 B	1.9 B	3.9 B	50 EB	0.14 JB	0.033 JB	0.10 JB	0.57 B	--	--	--	--	--	--	1.4 B	0.95 B	0.13 JB	--
PCB-51				0.16	2.3	0.23 J	0.014 JB	1.1 B	0.60 B	2.2 B	34 EB	0.028 JB	0.0043 J	0.026 J	0.52	--	--	--	--	--	--	0.29	0.11	0.043 JB	--
PCB-52				52	39 B	65	7.1 B	130 EB	62 EB	31 BE	250 EB	7.7 B	2.1 B	4.5 B	4.6 B	--	--	--	--	--	--	40 EB	42 EB	4.7 B	--
PCB-54				0.0065 J	0.11 J	0.018 J	< 0.23 U	0.12 J	0.086 J	0.41	4.9	< 0.12 U	< 0.12 U	0.0021 J	0.034 J	--	--	--	--	--	--	0.017 J	0.0085 J	0.0056 J	0.040 J
PCB-55				< 0.22 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.44 U	< 0.51 U	< 0.13 U	< 0.88 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.26 U	< 0.20 U	< 0.11 U	--
PCB-56				4.9	2.9	7.1	0.63 B	11 B	5.3 B	2.8 B	24 EB	0.82 B	0.18	0.069 J	0.41	--	--	--	--	--	--	4.2 G	3.4 G	0.41 B	--
PCB-57				< 0.22 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.44 U	< 0.51 U	< 0.13 U	< 0.88 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.26 U	< 0.20 U	< 0.11 U	--
PCB-58				< 0.21 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.43 U	< 0.51 U	< 0.13 U	< 0.86 U	< 0.12 U	0.13	0.31	0.25	--	--	--	--	--	--	1.4 G	2.0 G	< 0.11 U	--
PCB-59/62/75				0.45	0.49 J	0.56 J	0.053 J	1	0.54 J	0.45	5.6	0.088 J	0.014 J	0.037 J	0.099 J	--	--	--	--	--	--	0.64	0.38	0.039 J	--
PCB-6				0.046	0.082 J	0.031 J	< 0.23 U	0.11 J	0.074 J	0.062 J	0.32	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	0.034	0.071	< 0.11 U	0.19 J
PCB-60				2	1	2.4	0.27	4.2 G	2.1	< 0.13 U	9.4 G	0.3	0.068 J	0.26	0.11	--	--	--	--	--	--	1.8 G	1.3 G	0.12	--
PCB-61/70/74/76				47	33 B	67 B	6.7 B	130 EB	64 B	31 B	210 EB	7.6 B	1.7 B	3.5 B	3.6 B	--	--	--	--	--	--	30 G	32 G	3.5 B	--
PCB-63				0.49	0.43 J	0.6	0.058 J	1.4 G	0.75	0.52	5.0 G	0.068 J	< 0.12 U	0.030 J	0.081 J	--	--	--	--	--	--	< 0.23 U	0.27 G	0.027 J	--
PCB-64				5.6	4.2 B	7.6 B	0.74 B	13 B	6.6 B	3.6 B	27 EB	1.1 B	0.25 B	0.37 B	0.59 B	--	--	--	--	--	--	4.2 EB	4.2 EB	0.54 B	--
PCB-66				15	16 B	17 B	1.9 B	38 EB	19 B	11 B	100 EB	2.5 B	0.58 B	1.0 B	2.6 B	--	--	--	--	--	--	11 G	9.5 G	1.1 B	--
PCB-67				< 0.21 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.41 U	< 0.51 U	< 0.13 U	< 0.82 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.24 U	< 0.19 U	< 0.11 U	--
PCB-68				< 0.19 U	0.30 J	< 0.50 U	< 0.23 U	0.49 B	0.27 JB	0.23 B	2.6 B	< 0.12 U	< 0.12 U	< 0.13 U	0.071 J	--	--	--	--	--	--	< 0.22 U	< 0.18 U	< 0.11 U	--
PCB-7				< 0.024 U	0.025 J	< 0.50 U	< 0.23 U	0.024 J	< 0.51 U	< 0.13 U	0.10 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.024 U	< 0.024 U	< 0.11 U	< 1.2 U
PCB-72				< 0.21 U	0.39 J	< 0.50 U	< 0.23 U	1.1 G	0.59	0.37	2.0 G	0.045 J	< 0.12 U	< 0.13 U	0.062 J	--	--	--	--	--	--	< 0.24 U	< 0.19 U	< 0.11 U	--
PCB-73				< 0.024 U	0.091 J	< 0.50 U	< 0.23 U	< 0.24 U	< 0.51 U	< 0.13 U	1.6 G	< 0.12 U	< 0.12 U	< 0.13 U	0.046 J	--	--	--	--	--	--	< 0.024 U	0.15	< 0.11 U	--
PCB-77				1.9	1.4	7.4	0.28 G	4.5 G	2.2 G	1.2 G	8.7 G	0.41 G	0.12	0.18	0.21	--	--	--	--	--	--	1.1 G	0.68 G	0.19 G	--
PCB-78				0.47	< 0.47 U	< 0.50 U	< 0.23 U	< 0.45 U	< 0.51 U	< 0.13 U	< 0.89 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	< 0.26 U	< 0.21 U	< 0.11 U	--
PCB-79				0.97	0.64	2	0.12 J	2.4 G	1.1	0.44	3.0 G	0.2	0.053 J	0.098 J	0.10 J	--	--	--	--	--	--	0.81 G	0.83 G	0.12	--
PCB-8				0.22	0.46 J	0.12 J	0.037 J	0.55	0.39 J	0.46	6.1	0.035 J	< 0.12 U	0.016 J	0.024 J	--	--	--	--	--	--	0.13	0.31	0.020 J	0.90 J
PCB-80				0.63	< 0.47 U	< 0.50 U	0.090 J	< 0.38 U	< 0.51 U	0.39	< 0.76 U	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	0.47 G	0.56 G	0.083 J	--
PCB-81				< 0.20 U	< 0.18 U	2.7	< 0.025 U	< 0.40 U	< 0.23 U	< 0.10 U	< 0.81 U	< 0.032 U	< 0.012 U	< 0.024 U	< 0.026 U	--	--	--	--	--	--	< 0.28 U	< 0.20 U	< 0.017 U	--
PCB-82				13	8.4	25	2.0 B	33 EB	15 B	6.5 G	41 EB	2.7 G	0.78	1.8	1.3	--	--	--	--	--	--	9.7 G	10 G	2.1 B	27 G
PCB-83				< 1.5 U	< 1.3 U	< 3.7 U	< 0.28 U	< 4.4 U	< 2.3 U	< 1.0 U	< 4.7 U	< 0.74 U	< 0.18 U	< 0.38 U	< 0.24 U	--	--	--	--	--	--	< 1.9 U	< 1.5 U	< 0.32 U	< 3.0 U
PCB-84				27	19	47	4.5 B	66 EB	30 B	15 BE	96 EB	5.7 B	1.4	4.4	3	--	--	--	--	--	--	29 G	26 G	3.9 B	59 G
PCB-85/116/117				20	14	32	3.5 B	55 B	27 B	13 B	60 B	5.0 B	1.7	2.5	2.7	--	--	--	--	--	--	18 G	17 G	3.2 B	30
PCB-86/87/97/108/119/125				84 B	58 B	160 B	14 B	230 EB	100 B	47 B	280 EB	19 B	4.8 B	11 B	10 B	--	--	--	--	--	--	73 G	72 G	13 B	160 B
PCB-88/91				12	11	22	1.9 B	32 B	15 B	8.3 B	56 EB	3.3 B	0.81	2	1.9	--	--	--	--	--	--	12 G	11 G	2.0 B	25
PCB-89				< 1.2 U	< 1.0 U	< 3.0 U	< 0.23 U	< 3.5 U	< 1.8 U	< 0.81 U	< 3.8 U	< 0.59 U	< 0.15 U	< 0.31 U	< 0.19 U	--	--	--	--	--	--	< 1.5 U	< 1.2 U	< 0.26 U	< 2.4 U
PCB-9				0.015 J	0.031 J	< 0.50 U	< 0.23 U	0.037 J	< 0.51 U	< 0.13 U	0.085 J	< 0.12 U	< 0.12 U	< 0.13 U	< 0.11 U	--	--	--	--	--	--	0.0080 J	0.017 J	< 0.11 U	0.054 J
PCB-90/101/113				120 B	87 B	240	21 B	340 EB	160 EB	71 BE	400 EB	37 BE	7.6 B	17 B	16 B	--	--	--	--	--	--	110 B	52 B	19 B	220 B
PCB-92				21	17	43	3.8 B	63 EB	30 B	14 BE	82 EB	6.8 B	1.4	< 0.30 U	3.2	--	--	--	--	--	--	20 G	20 G	3.5 B	14 G
PCB-93/100				< 1.1 U	< 0.94 U	< 2.7 U	< 0.46 U	< 3.2 U	< 1.7 U	< 0.74 U	4.0 G	< 0.54 U	< 0.24 U	< 0.28 U	< 0.22 U	--	--	--	--	--	--	< 1.4 U	< 1.1 U	< 0.24 U	73
PCB-94				< 1.1 U	< 0.99 U	< 2.8 U	< 0.23 U	< 3.4 U	< 1.8 U	< 0.78 U	3.9 G	< 0.57 U	< 0.14 U	< 0.30 U	< 0.18 U	--	--	--	--	--	--	< 1.4 U	< 1.2 U	< 0.25 U	< 2.3 U
PCB-95				81	58	140	13 B	210 EB	96 EB	48 BE	280 EB	23 BE	5.1	13	9.8	--	--	--	--	--	--	51 G	63 G	12 EB	< 2.2 U
PCB-96				0.41	0.5	0.79	0.068 J	1.1	0.52	0.29	2.9	0.091 J	0.029 J	0.070 J	0.10 J	--	--	--	--	--	--	0.58	0.45	0.069 J	1.0 J
PCB-98/102				1.4	1.2	3.7	0.27 J	4.1 G	1.9 G	0.97 G	8.4 G	< 0.52 U	< 0.24 U	< 0.27 U	0.29	--	--	--	--	--	--	2.2 G	2.1 G	0.25 G	4.2
PCB-99				46	36	90	8.2 B	130 EB	64 EB	31 BE	160 EB	12 BE	3.5 B	6.6	7.3	--	--	--	--	--	--	45 G	42 G	7.6 B	86 G
Polychlorinated biphenyls	**1550**	**1550**	**7300**	**1600**	**5200**	**3200**	260	**4700**	**2200**	1000	**6500**	1000	170	260	250	1200	1400	900	270	**4400**	--	**1700**	1100	250	1100

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 1/4 RRS
Red = Concentration exceeds the Site-SpecificType 4 RRS
The Type 1/2 RRS is used for groundwater delineation and the Type 3/4 RRS is used as the groundwater cleanup standard.

Site-Specific Type 4 RRS is derived using the following:
TEQ: Proposed by the GA EPD to Hercules following the submittal of the VIRP (GA EPD 2014) as part of the "no haggle" Type 1/4 RRS
PCBs: The more conservative direct contact soil RRS in the 2018 risk assessment, based on the protection of groundwater

Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
TEQ = toxicity equivalent quotient
µg/kg = microgram per kilogram
VIRP = Voluntary Investigation and Remediation Plan
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Constituent was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

FIGURES

LEGEND

Site Boundary

PROJECTION: NAD83 State Plane Georgia East Feet

SOURCES:
1) ESRI Online Services (USA Topo Maps).
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 LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA

COMPLIANCE STATUS REPORT

Site Location Map

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61 PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\FI_GA61_CSR2018_SITELOCATION.MXD

LEGEND

- Property Boundaries (Conner 2001)
- Site Boundary
- Surrounding Property (SAGIS)
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

* As defined by the Connor and Associates, March 16, 2001, Boundary Survey of the Hercules Property for Parcels 2-0734-01-001 and 2-0734-03-001.

BASE REFERENCE:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS parcels (2008).
3) Ashland Savannahbase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: ESRI Online Imagery (NAIP, August 2013)

0 240 480
SCALE IN FEET

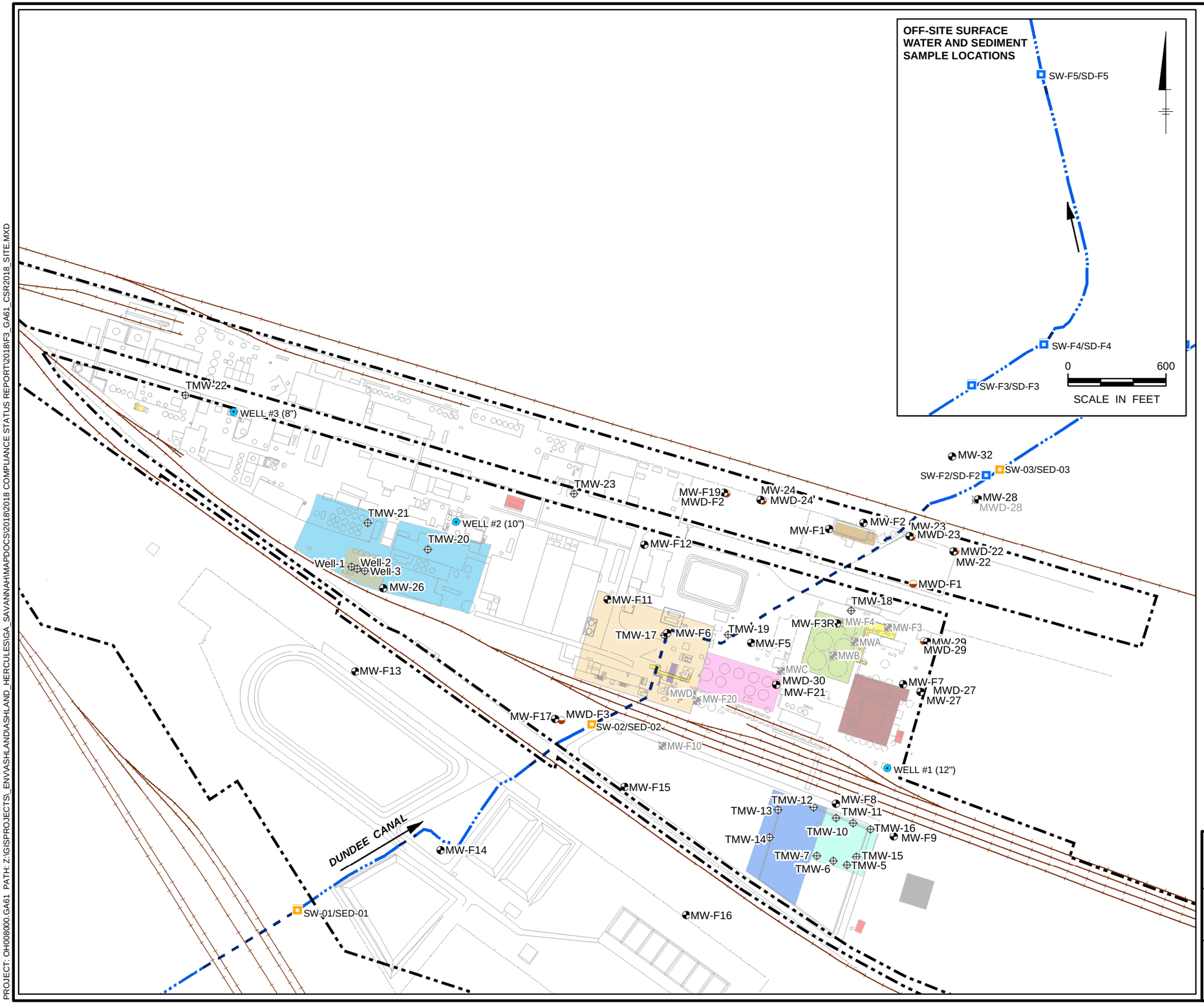
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Site Layout – Aerial View

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61 PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F2_GA61_CSR2018_AERIAL.MXD



LEGEND

- Monitoring Well (shallow)
- Monitoring Well (deep)
- Temporary Monitoring Well (shallow)
- Production Well
- Monitoring Well (abandoned/destroyed)
- Surface Water/Sediment Sample (August 2014)
- Surface Water/Sediment Sample (November 2000)
- Property Boundaries (Conner 2001)
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Contractor Yard
- Former Fatty Acid 60s Tank Area
- 30s Tank Area
- Former Fatty Acid 50s Tank Area
- 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 Dry Size Tank Area

* As defined by the Connor and Associates, March 16, 2001, Boundary Survey of the Hercules Property for Parcels 2-0734-01-001 and 2-0734-03-001.

0 200 400

SCALE IN FEET

BASE REFERENCE:
1) Ashland (baseplot.dwg and toplot.dwg).
2) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

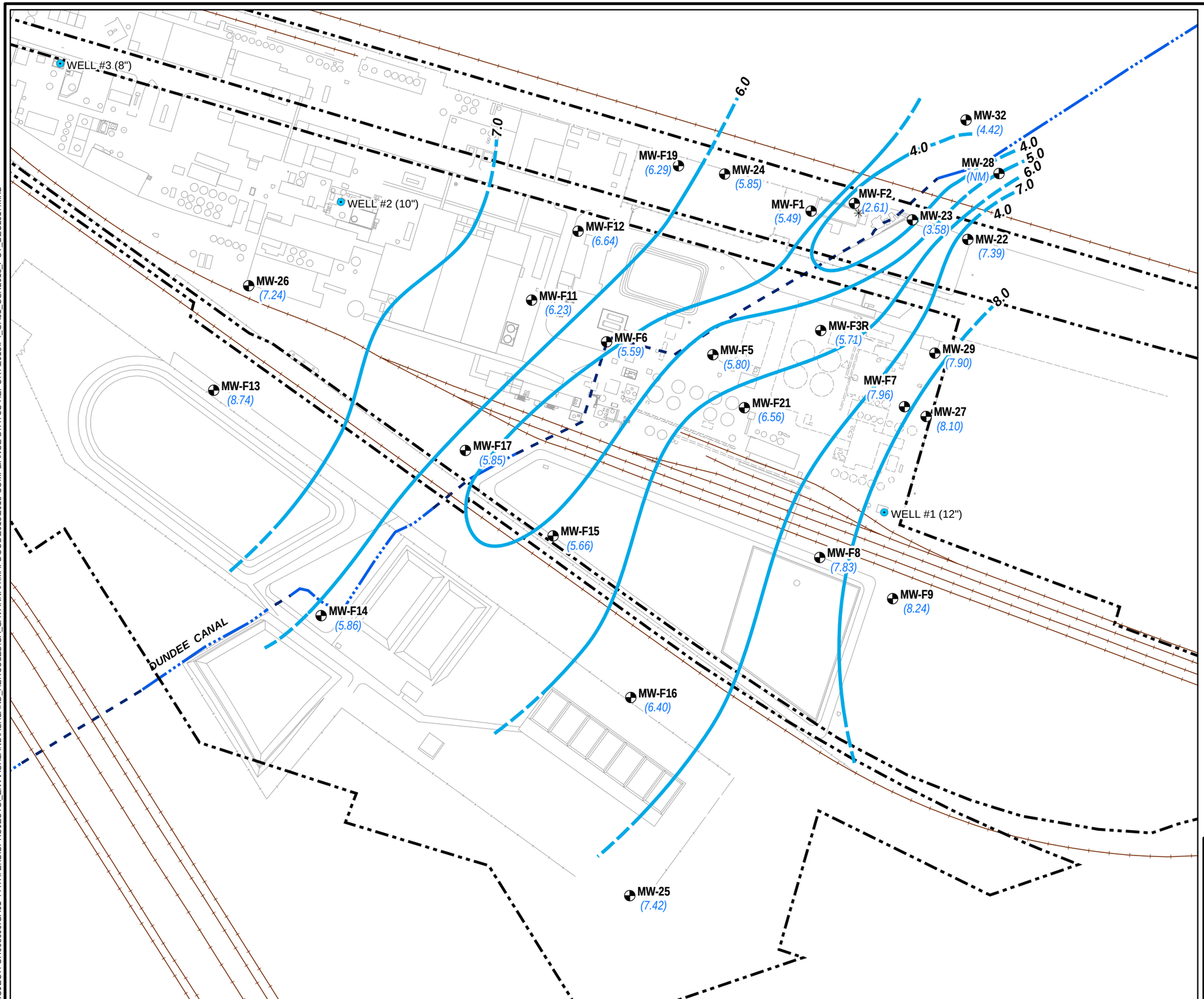
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Site Layout with Monitoring Well, Surface Water, and Sediment Sampling Locations

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61 PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F3_GA61_CSR2018_SITE.MXD



LEGEND

- Production Well
- Monitoring Well (shallow)
- (7.83) Groundwater Elevation (ft amsl)
- ✳ Not Used to Construct Contours
- Groundwater Contour Line (ft amsl)
- (inferred where dashed)
- Groundwater Flow Direction
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Property Boundaries (Conner 2001)

Note:
Groundwater elevation measured December 27-28, 2017

0 160 320
SCALE IN FEET

BASE REFERENCE:
1) Ashland (baseplot.dwg and toplot.dwg).
2) Conner and Associates Survey (March 2001).
3) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

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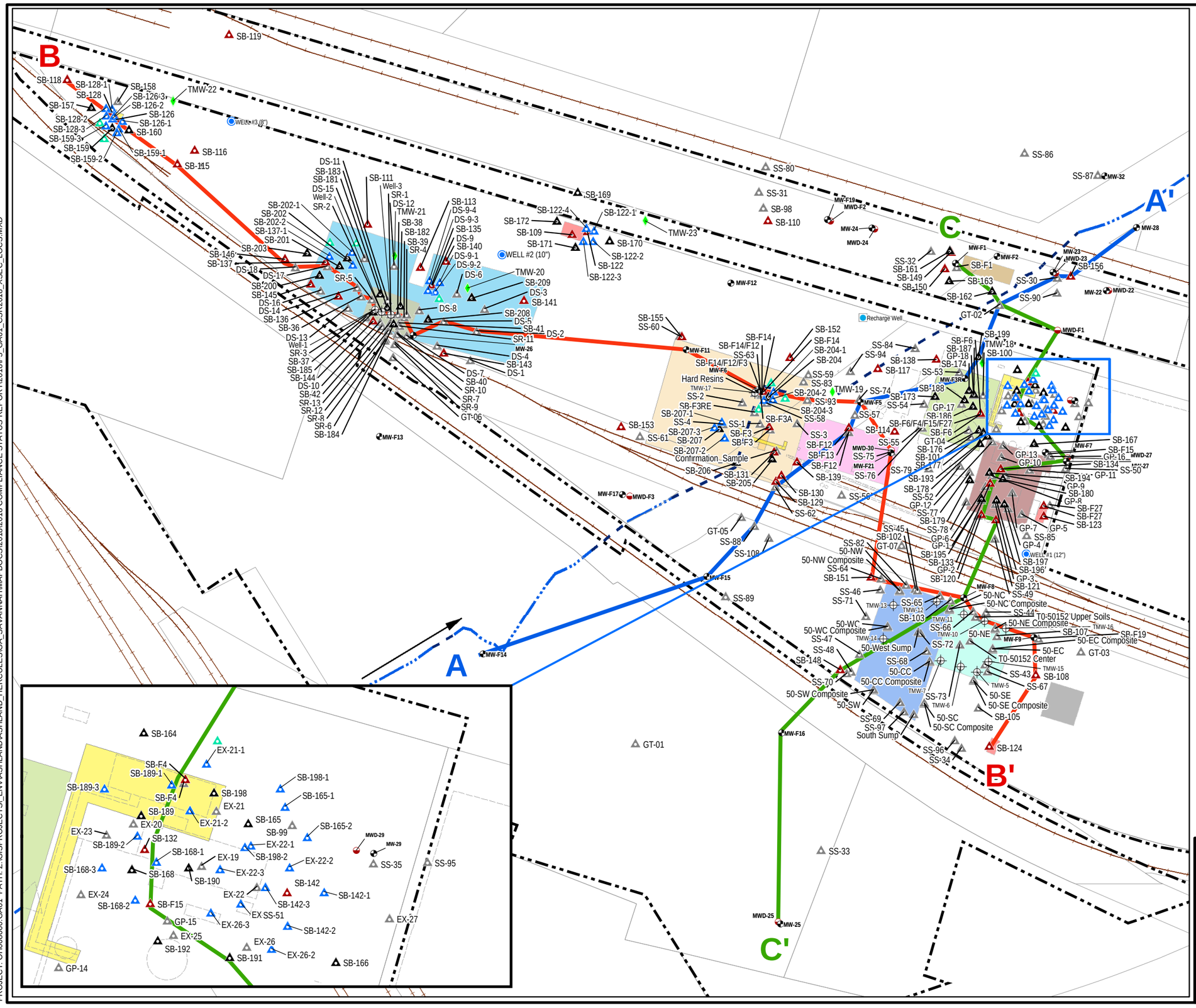
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Shallow Potentiometric Surface Map
December 27-28, 2017

ARCADIS Design & Consultancy for natural and built assets

FIGURE
4

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61 PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F4_GA61_CSR2018_POT_DEC2017.MXD



LEGEND

- Monitoring Well (shallow)
- Monitoring Well (deep)
- Temporary Monitoring Well (shallow)
- Production Well
- Recharge Well
- Temporary Monitoring Well (October 2017)
- Soil Boring (Historical)
- Soil Boring (2014)
- Soil Boring (2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Property Boundaries (Conner 2001)
- Contractor Yard
- Former Fatty Acid 60s Tank Area
- 30s Tank Area
- Former Fatty Acid 50s Tank Area
- 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 Dry Size Tank Area

NOTE: *SB-115 was not collected due to obstruction.

0 160 320

SCALE IN FEET

BASE REFERENCE:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

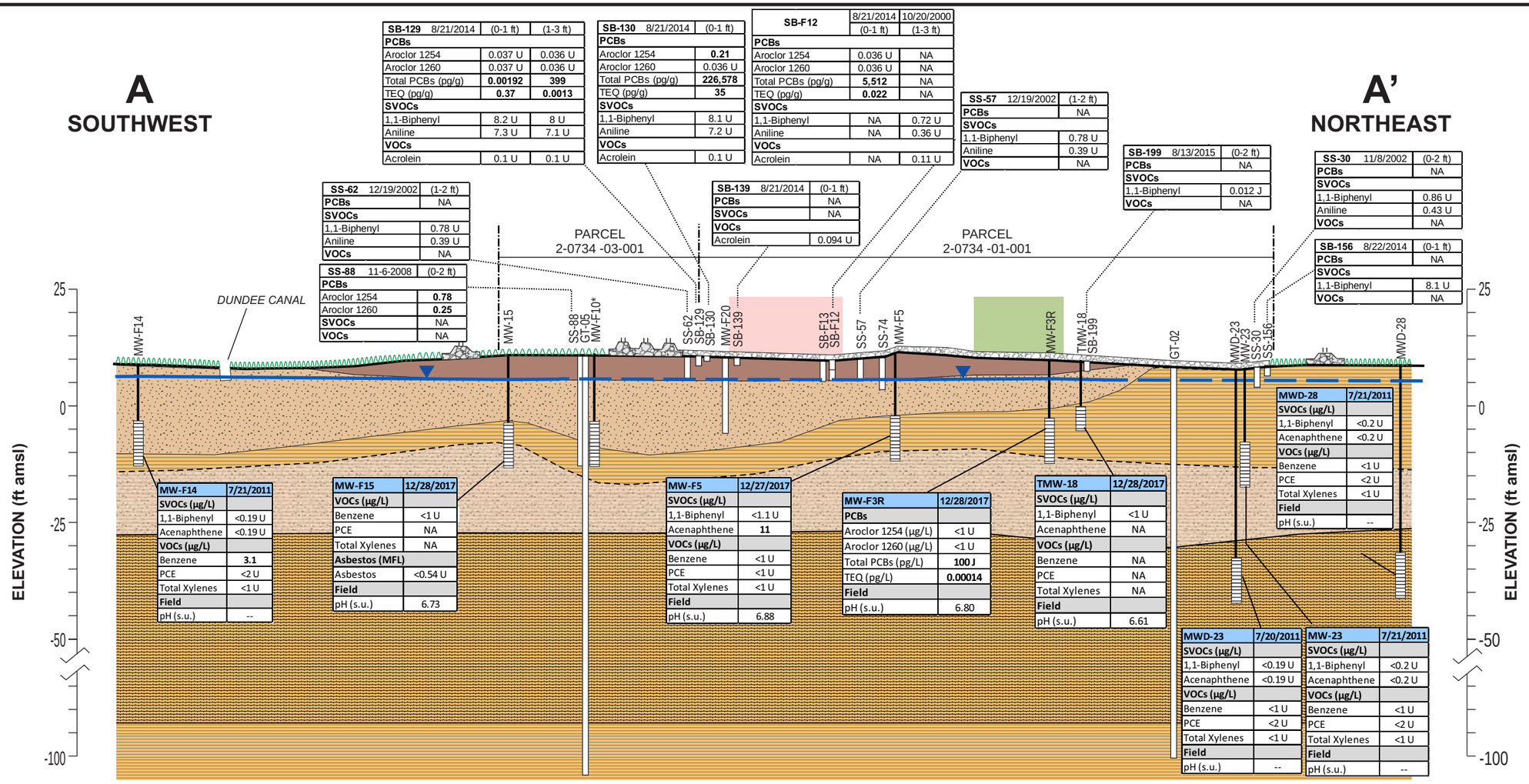
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Geologic Cross-Section Locations

ARCADIS Design & Consultancy for natural and built assets

FIGURE
5

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61 PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F5_GA61_CSR2018_XSEC_LOCS.MXD



SB-129	8/21/2014	(0-1 ft)	(1-3 ft)
PCBs			
Aroclor 1254		0.037 U	0.036 U
Aroclor 1260		0.037 U	0.036 U
Total PCBs (pg/g)		**0.00192**	**399**
TEQ (pg/g)		**0.37**	**0.0013**
SVOCs			
1,1-Biphenyl		8.2 U	8 U
Aniline		7.3 U	7.1 U
VOCs			
Acrolein		0.1 U	0.1 U

SB-130	8/21/2014	(0-1 ft)
PCBs		
Aroclor 1254		**0.21**
Aroclor 1260		0.036 U
Total PCBs (pg/g)		**226,578**
TEQ (pg/g)		**35**
SVOCs		
1,1-Biphenyl		8.1 U
Aniline		7.2 U
VOCs		
Acrolein		0.1 U

SB-F12	8/21/2014	10/20/2000
	(0-1 ft)	(1-3 ft)
PCBs		
Aroclor 1254	0.036 U	NA
Aroclor 1260	0.036 U	NA
Total PCBs (pg/g)	**5,512**	NA
TEQ (pg/g)	**0.022**	NA
SVOCs		
1,1-Biphenyl	NA	0.72 U
Aniline	NA	0.36 U
VOCs		
Acrolein	NA	0.11 U

SS-57	12/19/2002	(1-2 ft)
PCBs		NA
SVOCs		
1,1-Biphenyl		0.78 U
Aniline		0.39 U
VOCs		NA

SB-199	8/13/2015	(0-2 ft)
PCBs		NA
SVOCs		
1,1-Biphenyl		0.012 J
VOCs		NA

SS-30	11/8/2002	(0-2 ft)
PCBs		NA
SVOCs		
1,1-Biphenyl		0.86 U
Aniline		0.43 U
VOCs		NA

SB-156	8/22/2014	(0-1 ft)
PCBs		NA
SVOCs		
1,1-Biphenyl		8.1 U
VOCs		NA

SS-62	12/19/2002	(1-2 ft)
PCBs		NA
SVOCs		
1,1-Biphenyl		0.78 U
Aniline		0.39 U
VOCs		NA

SS-88	11-6-2008	(0-2 ft)
PCBs		
Aroclor 1254		**0.78**
Aroclor 1260		**0.25**
SVOCs		NA
VOCs		NA

SB-139	8/21/2014	(0-1 ft)
PCBs		NA
SVOCs		NA
VOCs		
Acrolein		0.094 U

MW-F14	7/21/2011
SVOCs (µg/L)	
1,1-Biphenyl	<0.19 U
Acenaphthene	<0.19 U
VOCs (µg/L)	
Benzene	**3.1**
PCE	<2 U
Total Xylenes	<1 U
Field	
pH (s.u.)	--

MW-F15	12/28/2017
VOCs (µg/L)	
Benzene	<1 U
PCE	NA
Total Xylenes	NA
Asbestos (MFL)	
Asbestos	<0.54 U
Field	
pH (s.u.)	6.73

MW-F5	12/27/2017
SVOCs (µg/L)	
1,1-Biphenyl	<1.1 U
Acenaphthene	**11**
VOCs (µg/L)	
Benzene	<1 U
PCE	<1 U
Total Xylenes	<1 U
Field	
pH (s.u.)	6.88

MW-F3R	12/28/2017
PCBs	
Aroclor 1254 (µg/L)	<1 U
Aroclor 1260 (µg/L)	<1 U
Total PCBs (pg/L)	**100 J**
TEQ (pg/L)	**0.00014**
Field	
pH (s.u.)	6.80

TMW-18	12/28/2017
SVOCs (µg/L)	
1,1-Biphenyl	<1 U
Acenaphthene	NA
VOCs (µg/L)	
Benzene	NA
PCE	NA
Total Xylenes	NA
Field	
pH (s.u.)	6.61

MWD-28	7/21/2011
SVOCs (µg/L)	
1,1-Biphenyl	<0.2 U
Acenaphthene	<0.2 U
VOCs (µg/L)	
Benzene	<1 U
PCE	<2 U
Total Xylenes	<1 U
Field	
pH (s.u.)	--

MWD-23	7/20/2011
SVOCs (µg/L)	
1,1-Biphenyl	<0.19 U
Acenaphthene	<0.19 U
VOCs (µg/L)	
Benzene	<1 U
PCE	<2 U
Total Xylenes	<1 U
Field	
pH (s.u.)	--

MW-23	7/21/2011
SVOCs (µg/L)	
1,1-Biphenyl	<0.2 U
Acenaphthene	<0.2 U
VOCs (µg/L)	
Benzene	<1 U
PCE	<2 U
Total Xylenes	<1 U
Field	
pH (s.u.)	--

Soil Regulated Hazardous Constituent	Type1/2 RRS	Type 3/4 RRS
Polychlorinated Biphenyls (PCBs)		
Aroclor 1254 (mg/kg)	1.55	1.55
Aroclor 1260 (mg/kg)	1.55	1.55
Total PCBs (pg/g)	1,550,000	1,550,000
TEQ (pg/g)	115	440
Semi-Volatile Organic Compounds (SVOCs)		
1,1-Biphenyl (mg/kg)	1	1
Aniline (mg/kg)	2	2
Volatile Organic Compounds (VOCs)		
Acrolein (mg/kg)	0.1	0.1

Groundwater Regulated Hazardous Constituent	Type 1/2 RRS	Type 3/4 RRS
Polychlorinated Biphenyls (PCBs)		
Aroclor 1254 (µg/L)	0.5	1.4
Aroclor 1260 (µg/L)	0.5	1.4
Total PCBs (pg/L)	500,000	1,400,000
TEQ (pg/L)	10,000	10,000
Semi-Volatile Organic Compounds (µg/L)		
1,1-Biphenyl	10	10
Acenaphthene	10	10
Volatile Organic Compounds (µg/L)		
Benzene	5.4	8.7
PCE	19	98
Total Xylenes	10,000	10,000
Asbestos (million fibers per liter)		
Asbestos	7	7
Field		
pH (s.u.)	<2 and <12.5	<2 and <12.5

LEGEND

- Water-Table (May 2, 2016) (inferred where dashed)
- Soil Boring
- Monitoring Well Screened Interval
- Railroad Easement
- Concrete/Asphalt
- Grass
- 30s Tank Area
- Former CTO Tank Area (Tall Oil Release)
- FILL MATERIAL, gravel, silty, sandy
- SAND, fine-grained, silty, clayey
- CLAY, high-plasticity (inferred where dashed)
- SAND, clayey, silty; with shell fragments (inferred where dashed)
- SILT, sandy (inferred where dashed)
- AQUITARD

NOTES:
1) Groundwater analytical results represent data from May 2-3, 2016, sampling event.
2) All soil concentrations reported in milligrams per kilogram (mg/kg) except Toxic Equivalency (TEQ) and theTotal PCBs that are the sum of all Total Non-Dioxin-like PCBs which have been calculated in picograms per gram (pg/g).
3) All groundwater concentrations reported in micrograms per liter (µg/L) unless otherwise shown.
4) Only constituents with historical detections above Type 1-4 Risk Reduction Standards (RRS) are shown.

NA - Not analyzed
ND - Not detected
J - Result is less than the RL but greater than or equal to the minimum detection limit (MDL) and the concentration is an approximate value.
U - Indicates the analyte was analyzed for but not detected.
pg/L - picograms per liter
s.u. - Standard unit
* - Well Abandoned

0 125' 250'
HORIZONTAL SCALE

VERTICAL EXAGGERATION: 5X

HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA

COMPLIANCE STATUS REPORT

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

ARCADIS Design & Consultancy for natural and built assets

FIGURE
5a

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: TWALL BY: B.ALTOM
PROJECT: OH009000.GA61 PATH: G:\GISASHLAND_HERCULESSGA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NOTIF\6a GA61_VRP-SAPR7 XSEC AA.cdr SAVED: 21SEP2016

SB-128 8/21/2014	(0-1 ft)
PCBs	
Aroclor 1254	**0.15**
Aroclor 1260	0.038 U
Total PCBs (pg/g)	**199,393**
TEQ (pg/g)	**52**
SVOCs	
1,1-Biphenyl	**4,400**
Aniline	760 U
VOCs	
Acrolein	0.1 U

SB-126 8/21/2014	(0-1 ft)
PCBs	
Aroclor 1254	**0.26**
Aroclor 1260	0.038 U
Total PCBs (pg/g)	**1,238,710**
TEQ (pg/g)	**224**
SVOCs	
1,1-Biphenyl	**140**
Aniline	76 U
VOCs	
Acrolein	39 U

SB-126-1 (10/24/2017	0-1
1,1-Biphenyl (µg/kg)	**890**
SB-126-2 (10/24/2017	**0-1**
1,1-Biphenyl (µg/kg)	**170**
SB-126-3 (10/24/2017	**0-1**
1,1-Biphenyl (µg/kg)	**190**

DS-18 11/10/2008	(0-2 ft)	(2-4 ft)
PCBs	NA	NA
SVOCs		
1,1-Biphenyl	2 UD	2 UD
Aniline	3.9 UD	3.9 UD
VOCs		
Acrolein	0.09 U	0.099 U

DS-14 11/10/2008	(0-2 ft)	(2-4 ft)
PCBs	NA	NA
SVOCs		
1,1-Biphenyl	3.9 UD	4.1 UD
Aniline	7.8 UD	8.1 UD
VOCs		
Acrolein	0.0096 U	0.11 U

SB-F14 10/19/2000	1-3
PolyChloronated Biphenyls (PCBs)	**NA**
Semi-Volitile Organic Compounds (SVOCs)	
1,1-Biphenyl (mg/L)	< 0.780 U
Aniline (mg/L)	< 0.390 U
Volatile Organic Compounds (VOCs)	
Acrolein (mg/L)	< 0.120 U

SB-204 (8/13/2015)	0-2
PCBs	
Aroclor 1254 (mg/kg)	**4.6**
Aroclor 1260 (mg/kg)	**0.56**
Total PCBs (pg/g)	**3,400,000**
TEQ (pg/g)	**370**

SB-204-1 (10/26/2017)	0-2
PCBs	
Aroclor 1254 (mg/kg)	**1.6**
Aroclor 1260 (mg/kg)	<0.037 U
Total PCBs (pg/g)	**1,600,000**
TEQ (pg/g)	**7.8**

SB-204-2 (10/26/2017)	0-2
PCBs	
Aroclor 1254 (mg/kg)	**5.2**
Aroclor 1260 (mg/kg)	<0.038 U
Total PCBs (pg/g)	**5,200,000**
TEQ (pg/g)	**5.5**

SB-204-2A (12/29/2017)	0-2
PCBs	
Aroclor 1254 (mg/kg)	**3.5 [2.9]**
Aroclor 1260 (mg/kg)	NA
Total PCBs (pg/g)	**4,700,000 [2,200,000]**
TEQ (pg/g)	**18 [8.8]**

SB-204-2B (12/29/2017)	0-2
PCBs	
Aroclor 1254 (mg/kg)	**5.2**
Aroclor 1260 (mg/kg)	<0.038 U
Total PCBs (pg/g)	**5,200,000**
TEQ (pg/g)	**5.5**

SB-204-3 (10/26/2017)	0-2
PCBs	
Aroclor 1254 (mg/kg)	**0.91**
Aroclor 1260 (mg/kg)	NA
Total PCBs (pg/g)	**1,000,000**
TEQ (pg/g)	**4.3**

SB-160 8/11/2015	(0-2 ft)	(2-4 ft)
PCBs		
Aroclor 1254	0.17	0.017 J
Aroclor 1260	0.088	0.045 U
Total PCBs (pg/g)	0.251198	0.020492
TEQ (pg/g)	0.000039	0.000014
SVOCs		
1,1-Biphenyl	0.180	0.011 J

SB-146 8/22/2014	(0-1 ft)
PCBs	NA
SVOCs	
1,1-Biphenyl	8.4 U
Aniline	7.5 U
VOCs	NA

DS-17 11/10/2008	(0-2 ft)	(2-4 ft)
PCBs	NA	NA
SVOCs		
1,1-Biphenyl	2 UD	3.9 UD
Aniline	4 UD	7.7 UD
VOCs		
Acrolein	0.09 U	0.1 U

DS-5 11/7/2008	(0-2 ft)	(2-4 ft)
PCBs	NA	NA
SVOCs		
1,1-Biphenyl	**0.021 J**	1.9 UD
Aniline	0.74 U	3.7 UD
VOCs		
Acrolein	0.11 U	0.11 U

DS-2 11/7/2008	(0-2 ft)	(2-4 ft)
PCBs	NA	NA
SVOCs		
1,1-Biphenyl	0.36 U	0.38 U
Aniline	0.73 U	0.76 U
VOCs		
Acrolein	0.1 U	0.12 U

PARCEL
2-0734 -01-001

SS-93 11/6/2008	(0-4 ft)
PCBs	NA
SVOCs	NA
VOCs	
Acrolein	0.092 U

SB-151 08/20/2014	0-1
PolyChloronated Biphenyls (PCBs)	**NA**
Semi-Volitile Organic Compounds (SVOCs)	
1,1-Biphenyl (mg/L)	<1.8 U
Aniline (mg/L)	NA
Volatile Organic Compounds (VOCs)	**NA**

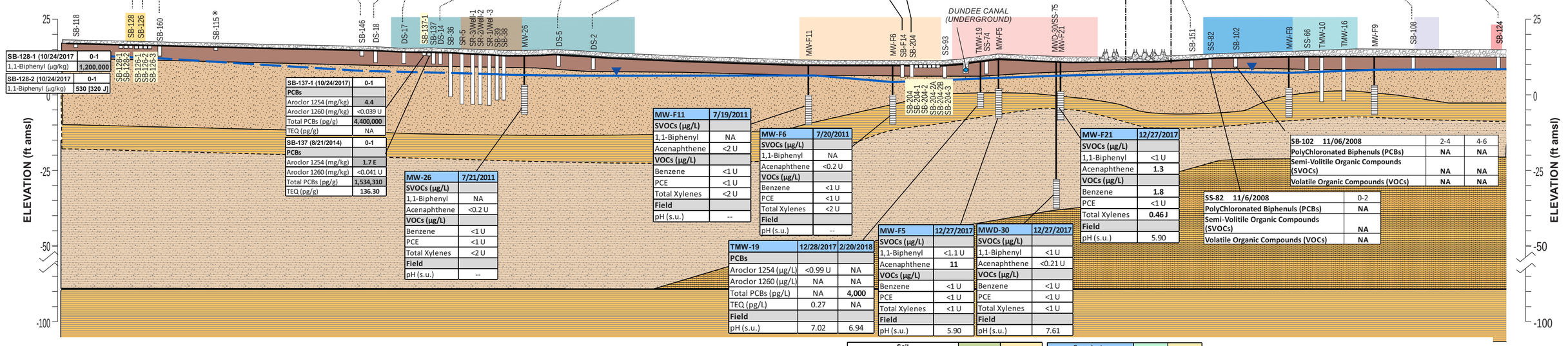
SB-108 8/19/2014	(0-1 ft)	(1-3 ft)
PCBs	NA	NA
SVOCs		
1,1-Biphenyl	0.86 U	0.87 U
Aniline	0.77 U	0.78 U
VOCs		
Acrolein	0.11 U	0.11 U

PARCEL
2-0734 -03-001

SB-124 8/19/2014	(0-1 ft)
PCBs	
Aroclor 1254	**0.20**
Aroclor 1260	0.17 U
Total PCBs (pg/g)	**84,300**
TEQ (pg/g)	**0.33**
SVOCs	
1,1-Biphenyl	19 U
VOCs	NA

B
NORTHWEST

B'
SOUTHEAST



SB-128-1 (10/24/2017	0-1
1,1-Biphenyl (µg/kg)	**1,200,000**
SB-128-2 (10/24/2017	**0-1**
1,1-Biphenyl (µg/kg)	**530 [320 J]**

SB-137-1 (10/24/2017)	0-1
PCBs	
Aroclor 1254 (mg/kg)	**4.4**
Aroclor 1260 (mg/kg)	<0.039 U
Total PCBs (pg/g)	**4,400,000**
TEQ (pg/g)	NA
SB-137 (8/21/2014)	**0-1**
PCBs	
Aroclor 1254 (mg/kg)	**1.7 E**
Aroclor 1260 (mg/kg)	<0.041 U
Total PCBs (pg/g)	**1,534,310**
TEQ (pg/g)	**136.30**

MW-26	7/21/2011
SVOCs (µg/L)	
1,1-Biphenyl	NA
Acenaphthene	<0.2 U
VOCs (µg/L)	
Benzene	<1 U
PCE	<1 U
Total Xylenes	<2 U
Field	
pH (s.u.)	--

MW-F11	7/19/2011
SVOCs (µg/L)	
1,1-Biphenyl	NA
Acenaphthene	<2 U
VOCs (µg/L)	
Benzene	<1 U
PCE	<1 U
Total Xylenes	<2 U
Field	
pH (s.u.)	--

MW-F6	7/20/2011
SVOCs (µg/L)	
1,1-Biphenyl	NA
Acenaphthene	<0.2 U
VOCs (µg/L)	
Benzene	<1 U
PCE	<1 U
Total Xylenes	<2 U
Field	
pH (s.u.)	--

TMW-19	12/28/2017	2/20/2018
PCBs		
Aroclor 1254 (µg/L)	<0.99 U	NA
Aroclor 1260 (µg/L)	NA	NA
Total PCBs (pg/L)	NA	**4,000**
TEQ (pg/L)	0.27	NA
Field		
pH (s.u.)	7.02	6.94

MW-F5	12/27/2017
SVOCs (µg/L)	
1,1-Biphenyl	<1.1 U
Acenaphthene	**11**
VOCs (µg/L)	
Benzene	<1 U
PCE	<1 U
Total Xylenes	<1 U
Field	
pH (s.u.)	5.90

MWD-30	12/27/2017
SVOCs (µg/L)	
1,1-Biphenyl	<1 U
Acenaphthene	<0.21 U
VOCs (µg/L)	
Benzene	<1 U
PCE	<1 U
Total Xylenes	<1 U
Field	
pH (s.u.)	7.61

MW-F21	12/27/2017
SVOCs (µg/L)	
1,1-Biphenyl	<1 U
Acenaphthene	**1.3**
VOCs (µg/L)	
Benzene	**1.8**
PCE	<1 U
Total Xylenes	**0.46 J**
Field	
pH (s.u.)	5.90

SB-102 11/06/2008	2-4	4-6
PolyChloronated Biphenyls (PCBs)	**NA**	**NA**
Semi-Volitile Organic Compounds (SVOCs)	**NA**	**NA**
Volatile Organic Compounds (VOCs)	**NA**	**NA**

SS-82 11/6/2008	0-2
PolyChloronated Biphenyls (PCBs)	**NA**
Semi-Volitile Organic Compounds (SVOCs)	**NA**
Volatile Organic Compounds (VOCs)	**NA**

LEGEND

- Water-Table (May 2, 2016) (inferred where dashed)
- Soil Boring
- Monitoring Well Screened Interval
- Railroad Easement
- Concrete/Asphalt
- Grass
- Concentrations Exceed Type 1 (RRS)
- FILL MATERIAL, gravel, silty, sandy
- SAND, fine-grained, silty, clayey
- CLAY, high-plasticity (inferred where dashed)
- SAND, clayey, silty; with shell fragments (inferred where dashed)
- SILT, sandy (inferred where dashed)
- AQUITARD
- Former Dry Size Area
- Former Dry Size Tank Area
- Hard Resins Area
- Former Fatty Acid 50s Tank Area
- Former Fatty Acid 60s Tank Area
- 30s Tank Area
- Former Dowtherm Unit
- Contractor Yard
- Electrical Substation

Soil Regulated Hazardous Constituent	Type1/2 RRS	Type 3/4 RRS
Polychlorinated Biphenyls (PCBs)		
Aroclor 1254 (mg/kg)	1.55	1.55
Aroclor 1260 (mg/kg)	1.55	1.55
Total PCBs (pg/g)	1,550,000	1,550,000
TEQ (pg/g)	115	440
Semi-Volatile Organic Compounds (SVOCs)		
1,1-Biphenyl (mg/kg)	1	1
Aniline (mg/kg)	2	2
Volatile Organic Compounds (VOCs)		
Acrolein (mg/kg)	0.1	0.1

Groundwater Regulated Hazardous Constituent	Type 1/2 RRS	Type 3/4 RRS
Polychlorinated Biphenyls (PCBs)		
Aroclor 1254 (µg/L)	0.5	1.4
Aroclor 1260 (µg/L)	0.5	1.4
Total PCBs (pg/L)	500,000	1,400,000
TEQ (pg/L)	10,000	10,000
Semi-Volatile Organic Compounds (µg/L)		
1,1-Biphenyl	10	10
Acenaphthene	2,000	6,100
Volatile Organic Compounds (µg/L)		
Benzene	5.4	8.7
PCE	19	98
Total Xylenes	10,000	10,000
Asbestos (million fibers per liter)		
Asbestos	7	7
Field		
pH (s.u.)	<2 and <12.5	<2 and <12.5

NOTES:
1) Groundwater analytical results represent data from May 2-3, 2016, sampling event.
2) All soil concentrations reported in milligrams per kilogram (mg/kg) except Toxic Equivalency (TEQ) and theTotal PCBs that are the sum of all Total Non-Dioxin-like PCBs which have been calculated in picograms per gram (pg/g).
3) All groundwater concentrations reported in micrograms per liter (µg/L) unless otherwise shown.
4) Only constituents with historical detections above Type 1 Risk Reduction Standards (RRS) are shown.
5) **BOLD** - Concentration exceeds Type I-4 RRS.
6) SB-115* was not collected due to obstruction.

NA - Not analyzed
ND - Not detected
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 RL but greater than or equal to the minimum detection limit (MDL) and the concentration is an approximate value.
U - Indicates the analyte was analyzed for but not detected.
pg/L - picograms per liter
s.u. - Standard unit

0 125' 250'
HORIZONTAL SCALE

VERTICAL EXAGGERATION: 5X

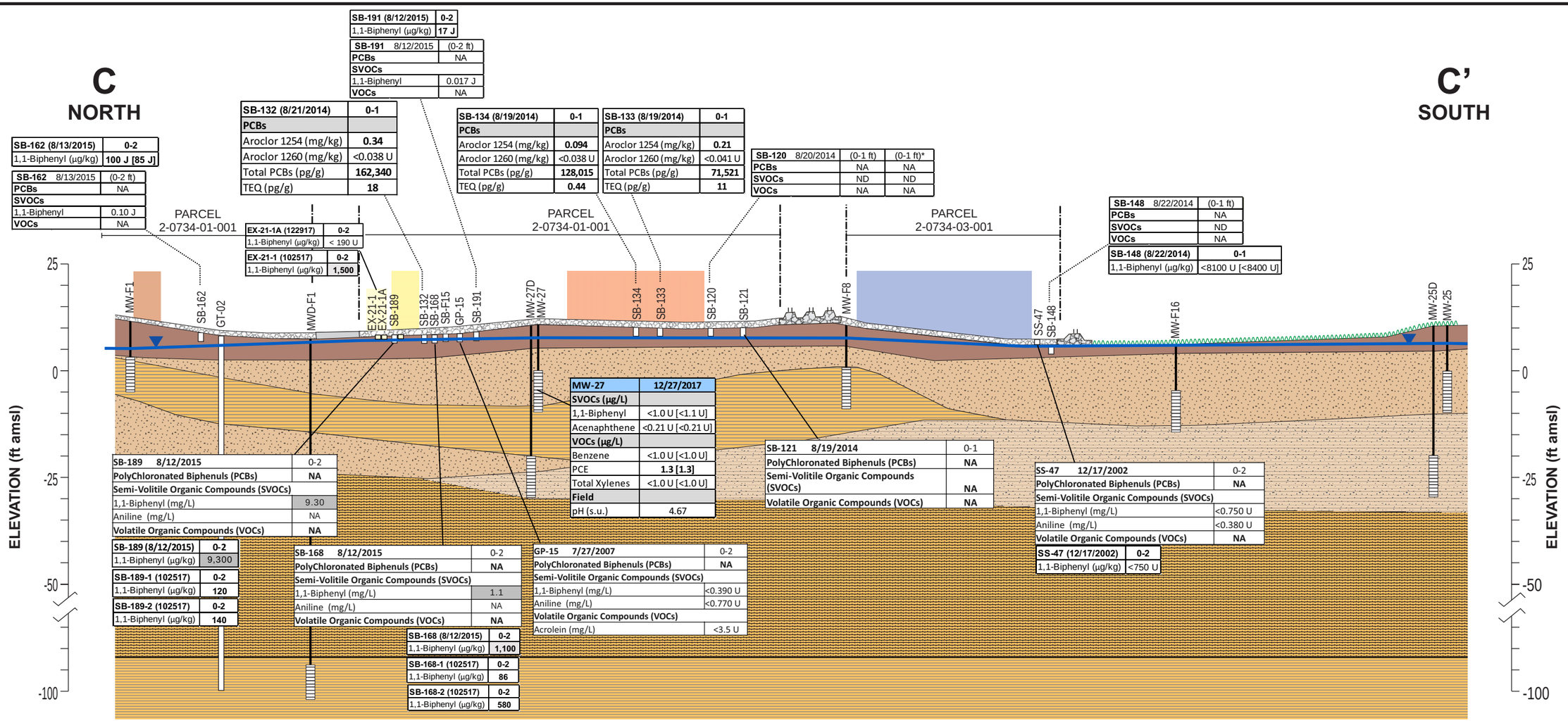
HERCULES LLC /SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

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

ARCADIS Design & Consultancy for natural and built assets

FIGURE
5b

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: B.ALTOM
PROJECT: OH09000.GA61 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NOTE\B-GA61_VRPSAPR7 XSEC BB.cdr SAVED: 21SEP2016



LEGEND

- Water-Table (May 2, 2016) (inferred where dashed)
- Soil Boring
- Monitoring Well Screened Interval
- Railroad Easement
- Concrete/Asphalt
- Grass
- Former Fatty Acid 60s Tank Area
- Former Tall Oil Plant
- FILL MATERIAL, gravel, silty, sandy
- SAND, fine-grained, silty, clayey
- CLAY, high-plasticity (inferred where dashed)
- SAND, clayey, silty; with shell fragments (inferred where dashed)
- SILT, sandy (inferred where dashed)
- AQUITARD
- Former Dowtherm Unit
- Primary Oil/Water Separator

Soil Regulated Hazardous Constituent	Type1/2 RRS	Type 3/4 RRS
Polychlorinated Biphenyls (PCBs)		
Aroclor 1254 (mg/kg)	1.55	1.55
Aroclor 1260 (mg/kg)	1.55	1.55
Total PCBs (pg/g)	1,550,000	1,550,000
TEQ (pg/g)	115	440
Semi-Volatile Organic Compounds (SVOCs)		
1,1-Biphenyl (mg/kg)	1	1
Aniline (mg/kg)	2	2
Volatile Organic Compounds (VOCs)		
Acrolein (mg/kg)	0.1	0.1

Groundwater Regulated Hazardous Constituent	Type 1/2 RRS	Type 3/4 RRS
Polychlorinated Biphenyls (PCBs)		
Aroclor 1254 (µg/L)	0.5	1.4
Aroclor 1260 (µg/L)	0.5	1.4
Total PCBs (pg/L)	500,000	1,400,000
TEQ (pg/L)	10,000	10,000
Semi-Volatile Organic Compounds (µg/L)		
1,1-Biphenyl	10	10
Acenaphthene	10	10
Volatile Organic Compounds (µg/L)		
Benzene	5.4	8.7
PCE	19	98
Total Xylenes	10,000	10,000
Asbestos (million fibers per liter)		
Asbestos	7	7
Field		
pH (s.u.)	<2 and <12.5	<2 and <12.5

NOTES:
1) Groundwater analytical results represent data from May 2-3, 2016, sampling event.
2) All soil concentrations reported in milligrams per kilogram (mg/kg) except Toxic Equivalency (TEQ) and theTotal PCBs that are the sum of all Total Non-Dioxin-like PCBs which have been calculated in picograms per gram (pg/g).
3) * Duplicate performed on this sample.
4) All groundwater concentrations reported in micrograms per liter (µg/L) unless otherwise shown.
5) Only constituents with historical detections above Type 1-4 Risk Reduction Standards (RRS) are shown.

NA - Not analyzed
ND - Not detected
J - Result is less than the RL but greater than or equal to the minimum detection limit (MDL) and the concentration is an approximate value.
U - Indicates the analyte was analyzed for but not detected.
pg/g - picograms per gram
s.u. - Standard unit

0 125' 250'
HORIZONTAL SCALE

VERTICAL EXAGGERATION: 5X

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

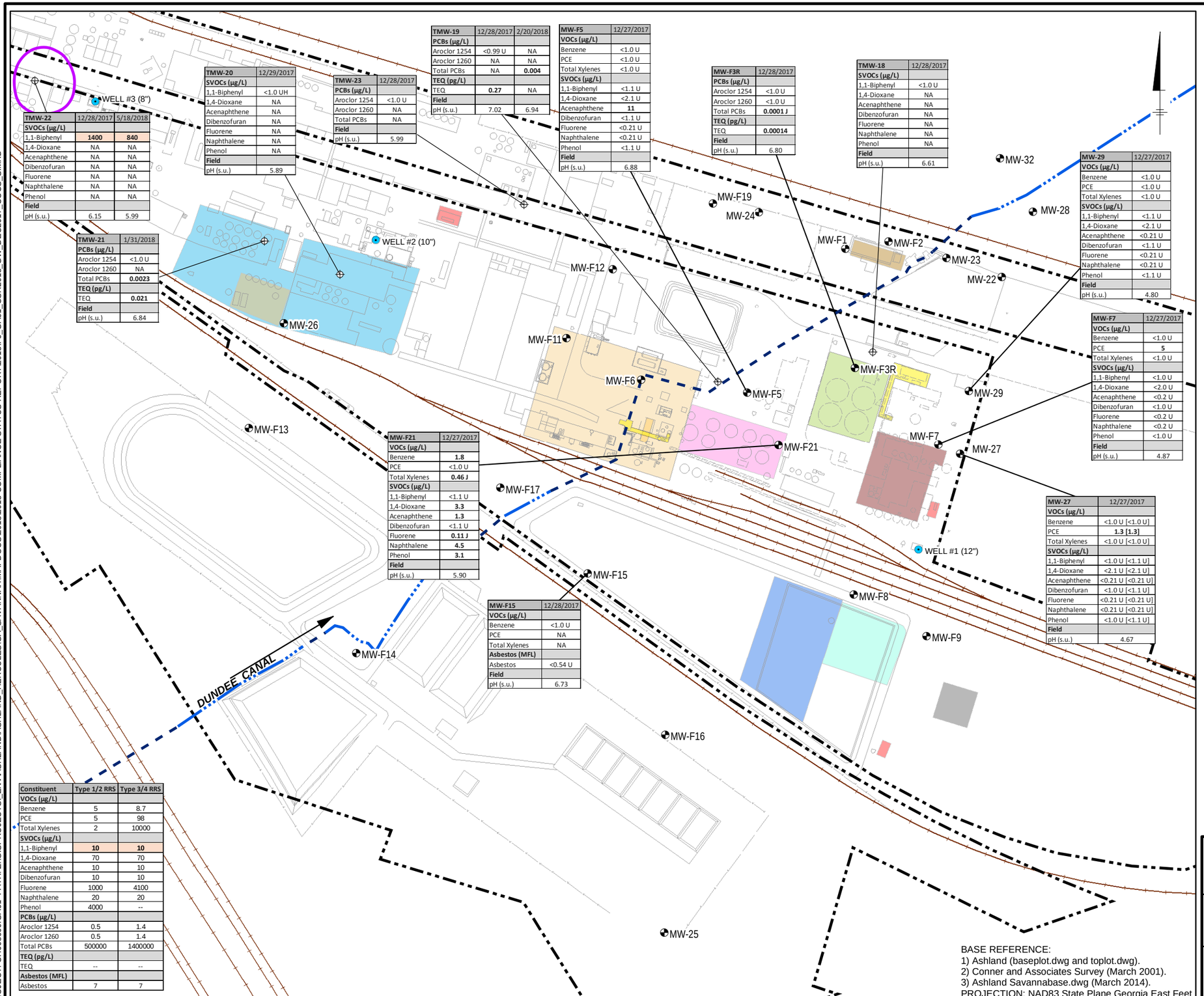
COMPLIANCE STATUS REPORT

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

ARCADIS Design & Consultancy for natural and built assets

FIGURE
5c

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: TWALL BY: B.ALTOM
PROJECT: OH009000.GA61 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO7\F6c GA61_VRPSAPR7 XSEC CC.cdr SAVED: 21SEP2016



TMW-22	12/28/2017	5/18/2018
SVOCs (µg/L)		
1,1-Biphenyl	**1400**	**840**
1,4-Dioxane	NA	NA
Acenaphthene	NA	NA
Dibenzofuran	NA	NA
Fluorene	NA	NA
Naphthalene	NA	NA
Phenol	NA	NA
Field		
pH (s.u.)	6.15	5.99

TMW-21	1/31/2018
PCBs (µg/L)	
Aroclor 1254	<1.0 U
Aroclor 1260	NA
Total PCBs	**0.0023**
TEQ (pg/L)	
TEQ	**0.021**
Field	
pH (s.u.)	6.84

TMW-20	12/29/2017
SVOCs (µg/L)	
1,1-Biphenyl	<1.0 UH
1,4-Dioxane	NA
Acenaphthene	NA
Dibenzofuran	NA
Fluorene	NA
Naphthalene	NA
Phenol	NA
Field	
pH (s.u.)	5.89

TMW-23	12/28/2017
PCBs (µg/L)	
Aroclor 1254	<1.0 U
Aroclor 1260	NA
Total PCBs	NA
Field	
pH (s.u.)	5.99

TMW-19	12/28/2017	2/20/2018
PCBs (µg/L)		
Aroclor 1254	<0.99 U	NA
Aroclor 1260	NA	NA
Total PCBs	NA	**0.004**
TEQ (pg/L)		
TEQ	**0.27**	NA
Field		
pH (s.u.)	7.02	6.94

MW-F5	12/27/2017
VOCs (µg/L)	
Benzene	<1.0 U
PCE	<1.0 U
Total Xylenes	<1.0 U
SVOCs (µg/L)	
1,1-Biphenyl	<1.1 U
1,4-Dioxane	<2.1 U
Acenaphthene	**11**
Dibenzofuran	<1.1 U
Fluorene	<0.21 U
Naphthalene	<0.21 U
Phenol	<1.1 U
Field	
pH (s.u.)	6.88

MW-F3R	12/28/2017
PCBs (µg/L)	
Aroclor 1254	<1.0 U
Aroclor 1260	<1.0 U
Total PCBs	**0.0001 J**
TEQ (pg/L)	
TEQ	**0.00014**
Field	
pH (s.u.)	6.80

TMW-18	12/28/2017
SVOCs (µg/L)	
1,1-Biphenyl	<1.0 U
1,4-Dioxane	NA
Acenaphthene	NA
Dibenzofuran	NA
Fluorene	NA
Naphthalene	NA
Phenol	NA
Field	
pH (s.u.)	6.61

MW-29	12/27/2017
VOCs (µg/L)	
Benzene	<1.0 U
PCE	<1.0 U
Total Xylenes	<1.0 U
SVOCs (µg/L)	
1,1-Biphenyl	<1.1 U
1,4-Dioxane	<2.1 U
Acenaphthene	<0.21 U
Dibenzofuran	<1.1 U
Fluorene	<0.21 U
Naphthalene	<0.21 U
Phenol	<1.1 U
Field	
pH (s.u.)	4.80

MW-F7	12/27/2017
VOCs (µg/L)	
Benzene	<1.0 U
PCE	**5**
Total Xylenes	<1.0 U
SVOCs (µg/L)	
1,1-Biphenyl	<1.0 U
1,4-Dioxane	<2.0 U
Acenaphthene	<0.2 U
Dibenzofuran	<1.0 U
Fluorene	<0.2 U
Naphthalene	<0.2 U
Phenol	<1.0 U
Field	
pH (s.u.)	4.87

MW-F21	12/27/2017
VOCs (µg/L)	
Benzene	**1.8**
PCE	<1.0 U
Total Xylenes	**0.46 J**
SVOCs (µg/L)	
1,1-Biphenyl	<1.1 U
1,4-Dioxane	**3.3**
Acenaphthene	**1.3**
Dibenzofuran	<1.1 U
Fluorene	**0.11 J**
Naphthalene	**4.5**
Phenol	**3.1**
Field	
pH (s.u.)	5.90

MW-27	12/27/2017
VOCs (µg/L)	
Benzene	<1.0 U [<1.0 U]
PCE	**1.3 [1.3]**
Total Xylenes	<1.0 U [<1.0 U]
SVOCs (µg/L)	
1,1-Biphenyl	<1.0 U [<1.1 U]
1,4-Dioxane	<2.1 U [<2.1 U]
Acenaphthene	<0.21 U [<0.21 U]
Dibenzofuran	<1.0 U [<1.1 U]
Fluorene	<0.21 U [<0.21 U]
Naphthalene	<0.21 U [<0.21 U]
Phenol	<1.0 U [<1.1 U]
Field	
pH (s.u.)	4.67

MW-F15	12/28/2017
VOCs (µg/L)	
Benzene	<1.0 U
PCE	NA
Total Xylenes	NA
Asbestos (MFL)	
Asbestos	<0.54 U
Field	
pH (s.u.)	6.73

Constituent	Type 1/2 RRS	Type 3/4 RRS
VOCs (µg/L)		
Benzene	5	8.7
PCE	5	98
Total Xylenes	2	10000
SVOCs (µg/L)		
1,1-Biphenyl	**10**	**10**
1,4-Dioxane	70	70
Acenaphthene	10	10
Dibenzofuran	10	10
Fluorene	1000	4100
Naphthalene	20	20
Phenol	4000	--
PCBs (µg/L)		
Aroclor 1254	0.5	1.4
Aroclor 1260	0.5	1.4
Total PCBs	500000	1400000
TEQ (pg/L)		
TEQ	--	--
Asbestos (MFL)		
Asbestos	7	7

BASE REFERENCE:
1) Ashland (baseplot.dwg and toplot.dwg).
2) Conner and Associates Survey (March 2001).
3) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Monitoring Well (shallow)
- Production Well
- Property Boundaries (Conner 2001)
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Type 1/2 RRS Isocontour
- Contractor Yard
- Former Fatty Acid 60s Tank Area
- 30s Tank Area
- Former Fatty Acid 50s Tank Area
- 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 Dry Size Tank Area

NOTES:
1) Analytical results represent data from 2017-2018 groundwater sampling event.
2) **Bold** = Concentration is greater than the laboratory detection limit
3) Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
4) Duplicate sample results are shown in brackets
5) MFL = million fibers per liter
6) NA = not analyzed
7) PCB = polychlorinated biphenyl
8) PCE = tetrachloroethene
9) pg/L = picogram per liter
10) RRS = Risk Reduction Standard
11) s.u. = standard units
12) TEQ = toxicity equivalent quotient
13) µg/L = microgram per liter
14) H = Sample was analyzed outside of the hold time
15) J = Result is estimated
16) U = Result is less than the laboratory detection limit
U - Indicates the analyte was analyzed for but not detected.
NA - Not Analyzed
ug/L - micrograms per liter
mg/L - milligrams per liter
s.u. - standard unit

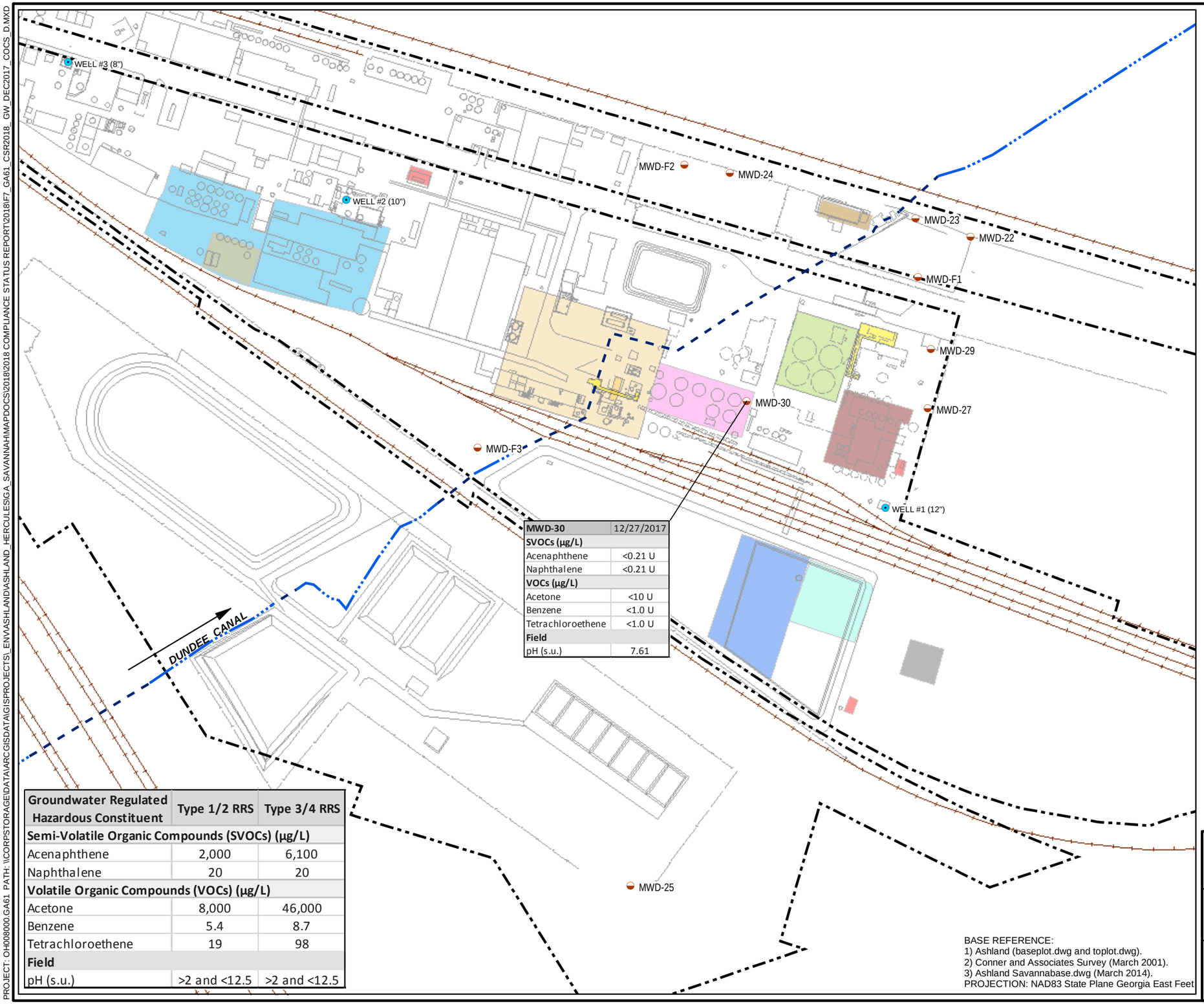
0 160 320
SCALE IN FEET

HERCULES LLC SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Regulated Constituents Detected in Shallow Groundwater, 2017 - 2018

ARCADIS Design & Consultancy for natural and built assets

FIGURE
6



MWD-30	12/27/2017
SVOCs (µg/L)	
Acenaphthene	<0.21 U
Naphthalene	<0.21 U
VOCs (µg/L)	
Acetone	<10 U
Benzene	<1.0 U
Tetrachloroethene	<1.0 U
Field	
pH (s.u.)	7.61

Groundwater Regulated Hazardous Constituent	Type 1/2 RRS	Type 3/4 RRS
Semi-Volatile Organic Compounds (SVOCs) (µg/L)		
Acenaphthene	2,000	6,100
Naphthalene	20	20
Volatile Organic Compounds (VOCs) (µg/L)		
Acetone	8,000	46,000
Benzene	5.4	8.7
Tetrachloroethene	19	98
Field		
pH (s.u.)	>2 and <12.5	>2 and <12.5

BASE REFERENCE:
1) Ashland (baseplot.dwg and toplot.dwg).
2) Conner and Associates Survey (March 2001).
3) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Monitoring Well (deep)
- Production Well
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Property Boundaries (Conner 2001)
- Contractor Yard
- Former Fatty Acid 60s Tank Area
- 30s Tank Area
- Former Fatty Acid 50s Tank Area
- 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 Dry Size Tank Area

NOTES:
1) Analytical results represent data from December 27, 2017, sampling event.
2) All concentrations reported in micrograms per liter (µg/L) unless otherwise shown.
3) Only constituents with historical detections above Type 1 Risk Reduction Standards (RRS) are shown.
4) U - Indicates the analyte was analyzed for but not detected.
s.u. - standard unit

0 160 320
SCALE IN FEET

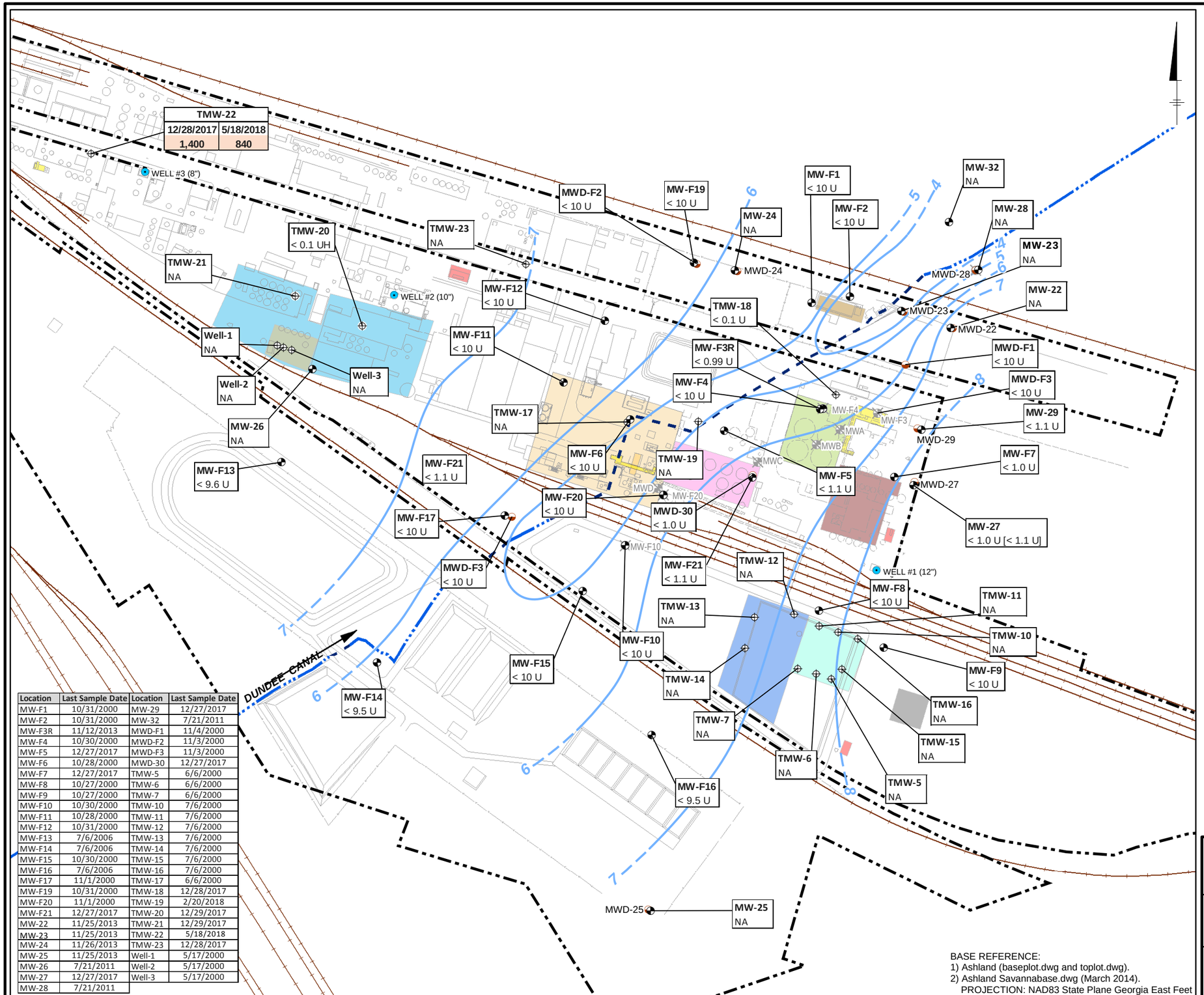
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Regulated Constituents in Deep Groundwater, December 2017

ARCADIS Design & Consultancy for natural and built assets

FIGURE
7

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: SBELL SAVED: 8/9/2018
PROJECT: OH008000.GA61 PATH: \\CORPSTORAGE\DATA\ARCGISDATA\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F7_GA61_CSR2018_GW_DEC2017_COCS_D.MXD



Location	Last Sample Date	Location	Last Sample Date
MW-F1	10/31/2000	MW-29	12/27/2017
MW-F2	10/31/2000	MW-32	7/21/2011
MW-F3R	11/12/2013	MWD-F1	11/4/2000
MW-F4	10/30/2000	MWD-F2	11/3/2000
MW-F5	12/27/2017	MWD-F3	11/3/2000
MW-F6	10/28/2000	MWD-30	12/27/2017
MW-F7	12/27/2017	TMW-5	6/6/2000
MW-F8	10/27/2000	TMW-6	6/6/2000
MW-F9	10/27/2000	TMW-7	6/6/2000
MW-F10	10/30/2000	TMW-10	7/6/2000
MW-F11	10/28/2000	TMW-11	7/6/2000
MW-F12	10/31/2000	TMW-12	7/6/2000
MW-F13	7/6/2006	TMW-13	7/6/2000
MW-F14	7/6/2006	TMW-14	7/6/2000
MW-F15	10/30/2000	TMW-15	7/6/2000
MW-F16	7/6/2006	TMW-16	7/6/2000
MW-F17	11/1/2000	TMW-17	6/6/2000
MW-F19	10/31/2000	TMW-18	12/28/2017
MW-F20	11/1/2000	TMW-19	2/20/2018
MW-F21	12/27/2017	TMW-20	12/29/2017
MW-22	11/25/2013	TMW-21	12/29/2017
MW-23	11/25/2013	TMW-22	5/18/2018
MW-24	11/26/2013	TMW-23	12/28/2017
MW-25	11/25/2013	Well-1	5/17/2000
MW-26	7/21/2011	Well-2	5/17/2000
MW-27	12/27/2017	Well-3	5/17/2000
MW-28	7/21/2011		

BASE REFERENCE:
1) Ashland (baseplot.dwg and toplot.dwg).
2) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Monitoring Well (shallow)
- Monitoring Well (deep)
- Temporary Monitoring Well (shallow)
- Production Well
- Monitoring Well (abandoned/destroyed)
- Potentiometric Contour
- (Dashed where Inferred)
- Property Boundaries (Conner 2001)
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Contractor Yard
- Former Fatty Acid 60s Tank Area
- 30s Tank Area
- Former Fatty Acid 50s Tank Area
- 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 Dry Size Tank Area

Notes:
1) All units are in micrograms per liter (µg/L).
2) All locations are approximate.
3) **Bold** = Concentration is greater than the laboratory detection limit.
4) Shaded = Concentration exceeds the GA EPD Type 1-4 RRS for 1,1-biphenyl (10 µg/L).
5) Duplicate sample results are shown in brackets.
6) NA = not analyzed
7) RRS = Risk Reduction Standard
8) µg/L = microgram per liter
9) H = Sample was analyzed outside of the holding time.
10) U = Result is less than the laboratory detection limit.

0 180 360
SCALE IN FEET

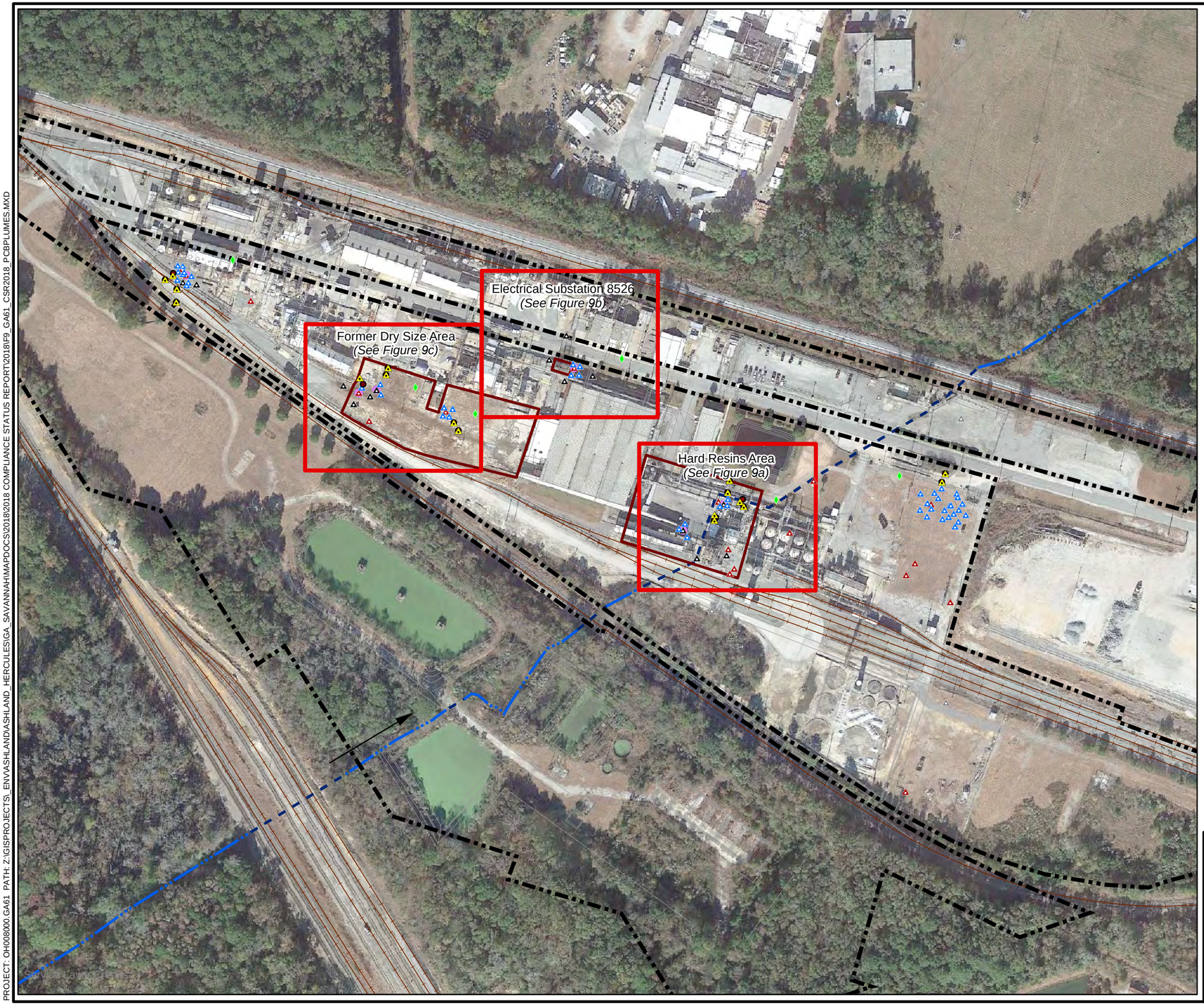
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Comprehensive 1,1-Biphenyl Delineation in Groundwater

ARCADIS Design & Consultancy for natural and built assets

FIGURE
8

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T:WALL BY: ACARLONESAVED: 10/4/2018
PROJECT: OH008000.GA60
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F8_GA61_CSR2018_SITE_BIPHENYLDELINEATION_V2.MXD



LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August/September 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Laboratory Reporting Limit above Type 1-4 RRS
- Temporary Monitoring Well (October 2017)
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Property Boundaries (Conner 2001)
- Site Area

NOTES:
1) All locations are approximate.
2) The highest of the Type 1/2 RRS was used for delineation purposes.
3) PCB - Polychlorinated Biphenyl
RRS - Risk Reduction Standard

0 200 400
SCALE IN FEET

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
AERIAL SOURCE: GEP (November 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

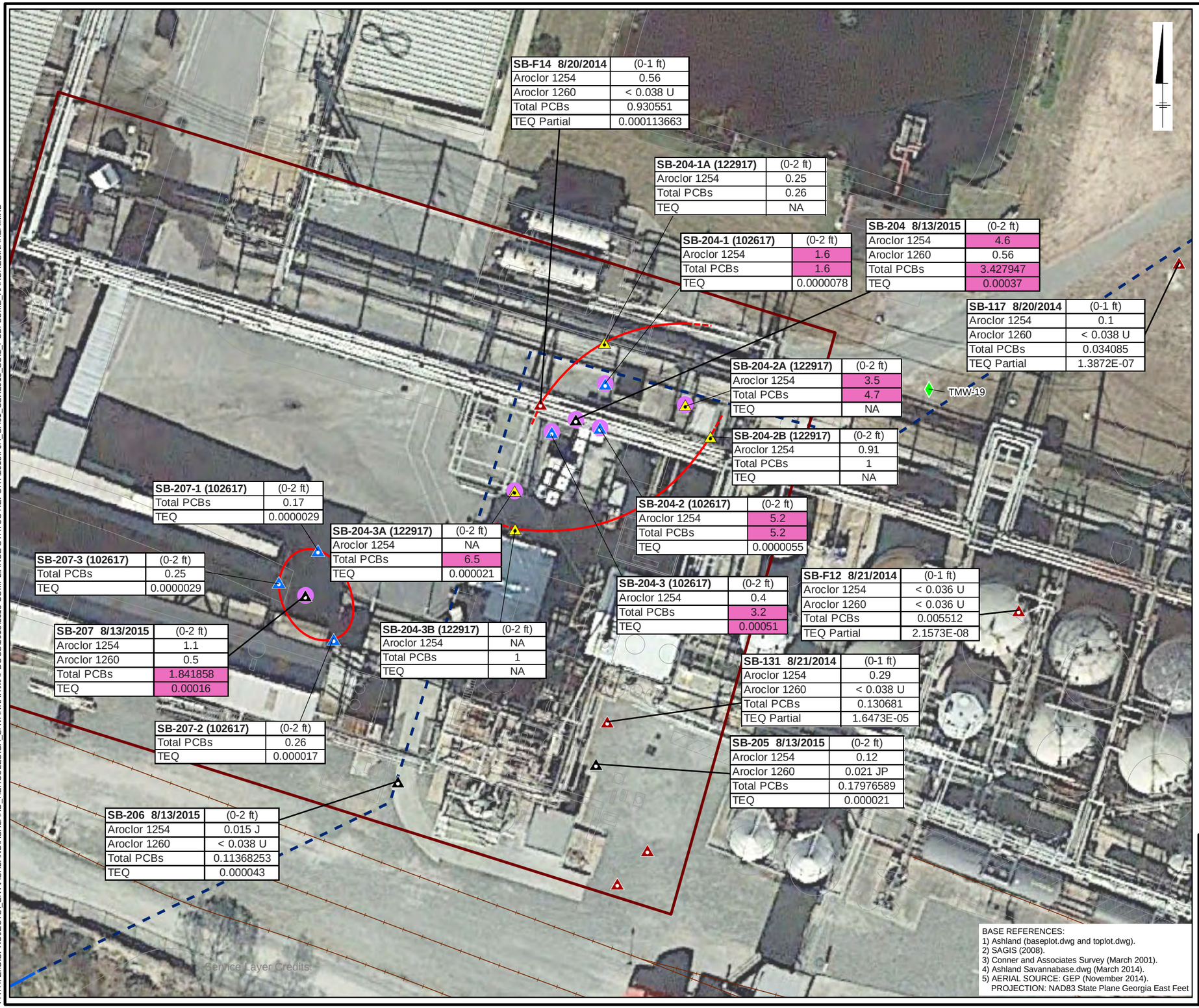
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

PCB Delineation in Soil - Area Locations

ARCADIS Design & Consultancy for natural and built assets

FIGURE
9

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 9/4/2018
PROJECT: OH008000.GA61 PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F9_GA61_CSR2018_PCBPLUMES.MXD



BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
5) AERIAL SOURCE: GEP (November 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August/September 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Result above Type 1-4 RRS
- Temporary Monitoring Well (October 2017)
- Delineation Line
- Delineation Incomplete due to Field Obstruction
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Hard Resins Area

Constituent	Type 1-4 RRS
Aroclor 1254 (mg/kg)	1.55
Aroclor 1260 (mg/kg)	1.55
Total PCBs (mg/kg)	1.55
TEQ Partial (mg/kg)	---
TEQ (mg/kg)	0.000115

Proposed Site-Specific Type 4 RRS:
Aroclor 1254 = 7.3 mg/kg
(Site-Specific Type 4 RRS derived based on the direct contact number, protection of groundwater)
2,3,7,8 TCDD TEQ = 0.00044 mg/kg
(Site-Specific Type 4 RRS derived based on the Type 4 RRS provided by GAEPD)

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) Shaded represent results above the Type 2 RRS.
8) NA - Not Analyzed
ND - Not Detected
E - Analyte exceeds the calibration range of equipment.
J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.
P - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U - Indicates the analyte was analyzed for but not detected.
RRS - Risk Reduction Standard
TEQ - Toxic Equivalency
TEF - Toxic Equivalency Factor
TEQ Partial - The summed TEF adjusted concentration of detected dioxin-like PCBs.

0 30 60
SCALE IN FEET

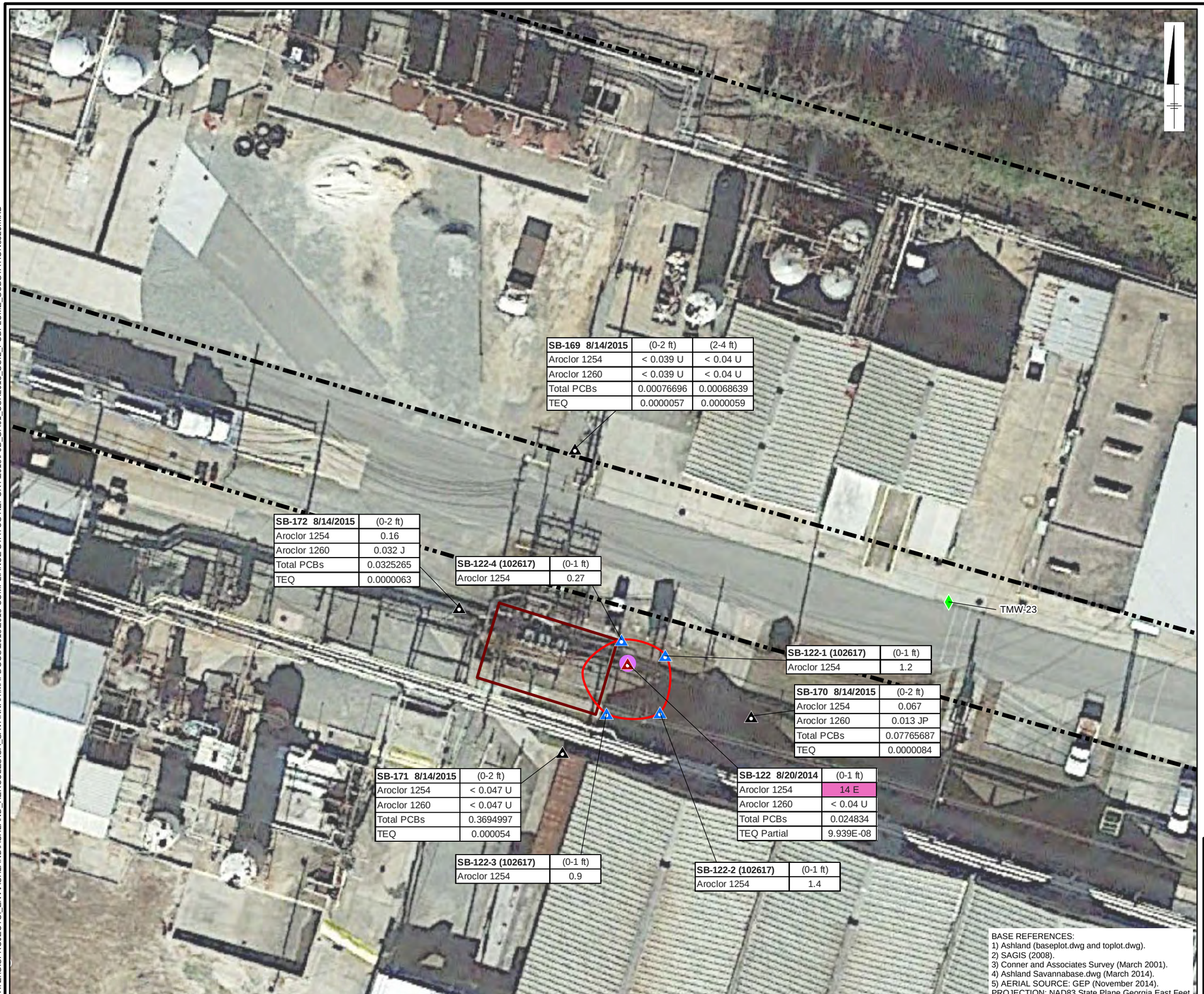
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

PCB Delineation in Soil in the Vicinity of the Hard Resins Area

ARCADIS Design & Consultancy for natural and built assets

FIGURE
9a

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F9A_GA61_CSR2018_SOIL_PCBPLUME_HARDRESINAREA.MXD



LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August/September 2015)
- Soil Boring (October 2017)
- Result above Type 1-4 RRS
- Temporary Monitoring Well (October 2017)
- Property Boundaries (Conner 2001)
- Delineation Line
- Electrical Substation 8526

Constituent	Type 1-4 RRS
Aroclor 1254 (mg/kg)	1.55
Aroclor 1260 (mg/kg)	1.55
Total PCBs (mg/kg)	1.55
TEQ Partial (mg/kg)	---
TEQ (mg/kg)	0.000115

Proposed Site-Specific Type 4 RRS:
Aroclor 1254 = 7.3 mg/kg
(Site-Specific Type 4 RRS derived based on the direct contact number, protection of groundwater)
2,3,7,8 TCDD TEQ = 0.00044 mg/kg
(Site-Specific Type 4 RRS derived based on the Type 4 RRS provided by GAEPD)

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) Shaded represent results above the Type 2 RRS.
8) NA - Not Analyzed
ND - Not Detected
E - Analyte exceeds the calibration range of equipment.
J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.
P - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U - Indicates the analyte was analyzed for but not detected.
RRS - Risk Reduction Standard
TEQ - Toxic Equivalency
TEF - Toxic Equivalency Factor
TEQ Partial - The summed TEF adjusted concentration of detected dioxin-like PCBs.

0 30 60
SCALE IN FEET

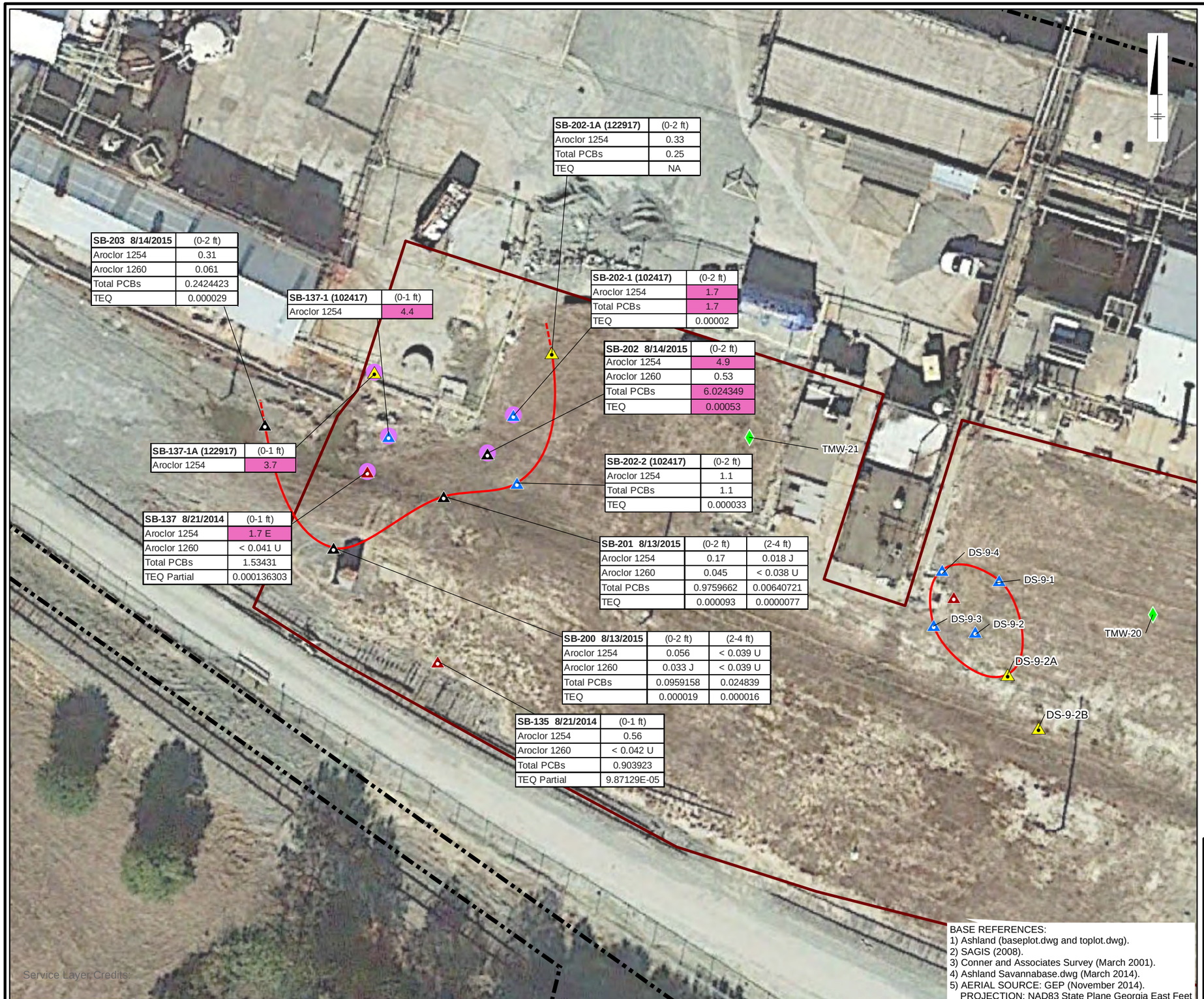
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

PCB Delineation in Soil in the Vicinity of the Electrical Substation 8526

ARCADIS Design & Consultancy for natural and built assets

FIGURE
9b

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F9B_GA61_CSR2018_SOIL_PCBPLUME_SUBSTATION8526.MXD



BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
5) AERIAL SOURCE: GEP (November 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August/September 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Result above Type 1-4 RRS
- Temporary Monitoring Well (October 2017)
- Property Boundaries (Conner 2001)
- Delineation Line
- Delineation Incomplete due to Field Obstruction
- Former Dry Size Area

Constituent	Type 1-4 RRS
Aroclor 1254 (mg/kg)	1.55
Aroclor 1260 (mg/kg)	1.55
Total PCBs (mg/kg)	1.55
TEQ Partial (mg/kg)	---
TEQ (mg/kg)	0.000115

Proposed Site-Specific Type 4 RRS:
Aroclor 1254 = 7.3 mg/kg
(Site-Specific Type 4 RRS derived based on the direct contact number, protection of groundwater)
2,3,7,8 TCDD TEQ = 0.00044 mg/kg
(Site-Specific Type 4 RRS derived based on the Type 4 RRS provided by GAEPD)

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) Shaded represent results above the Type 2 RRS.
8) A third step-out sample was not collected for SB-137-2, as the area is paved.
9) NA - Not Analyzed
E - Analyte exceeds the calibration range of equipment.
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.
RRS - Risk Reduction Standard
TEQ - Toxic Equivalency
TEQ Partial - The summed TEF adjusted concentration of detected dioxin-like PCBs.

0 30 60
SCALE IN FEET

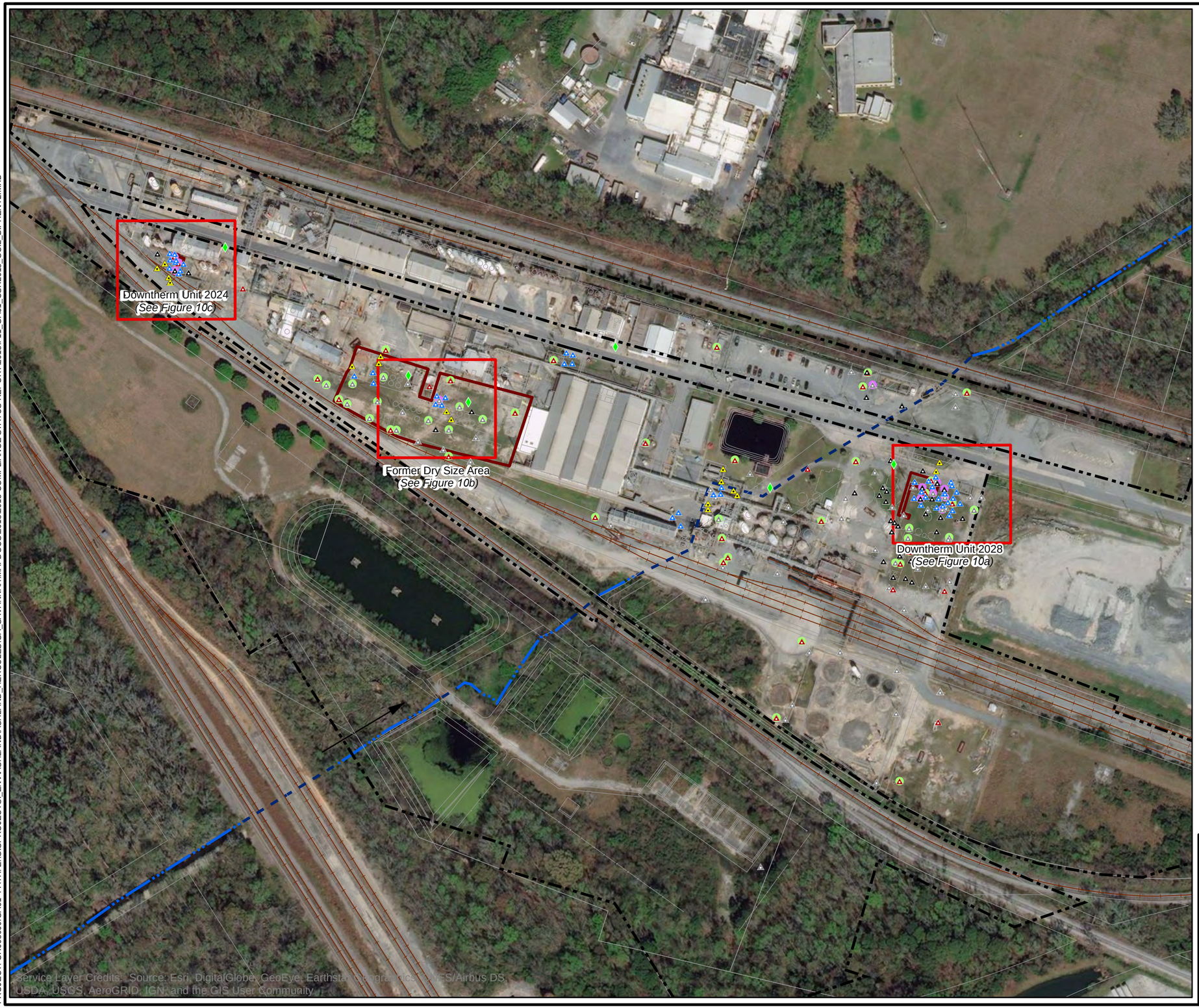
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

PCB Delineation in Soil in the Vicinity of the Former Dry Size Area

ARCADIS Design & Consultancy for natural and built assets

FIGURE
9c

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F9C_GA61_CSR2018_SOIL_PCBPLUME_DRYSIZEAREA.MXD



LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Laboratory Reporting Limit above Type 1-4 RRS
- Result above Type 1-4 RRS (1.0 mg/kg)
- Temporary Monitoring Well (October 2017)
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Property Boundaries (Conner 2001)
- Site Area

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) If a duplicate was taken, the highest value is shown.
4) RRS - Risk Reduction Standard

0 200 400
SCALE IN FEET

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: ESRI Online Imagery (NAIP, October 2015)

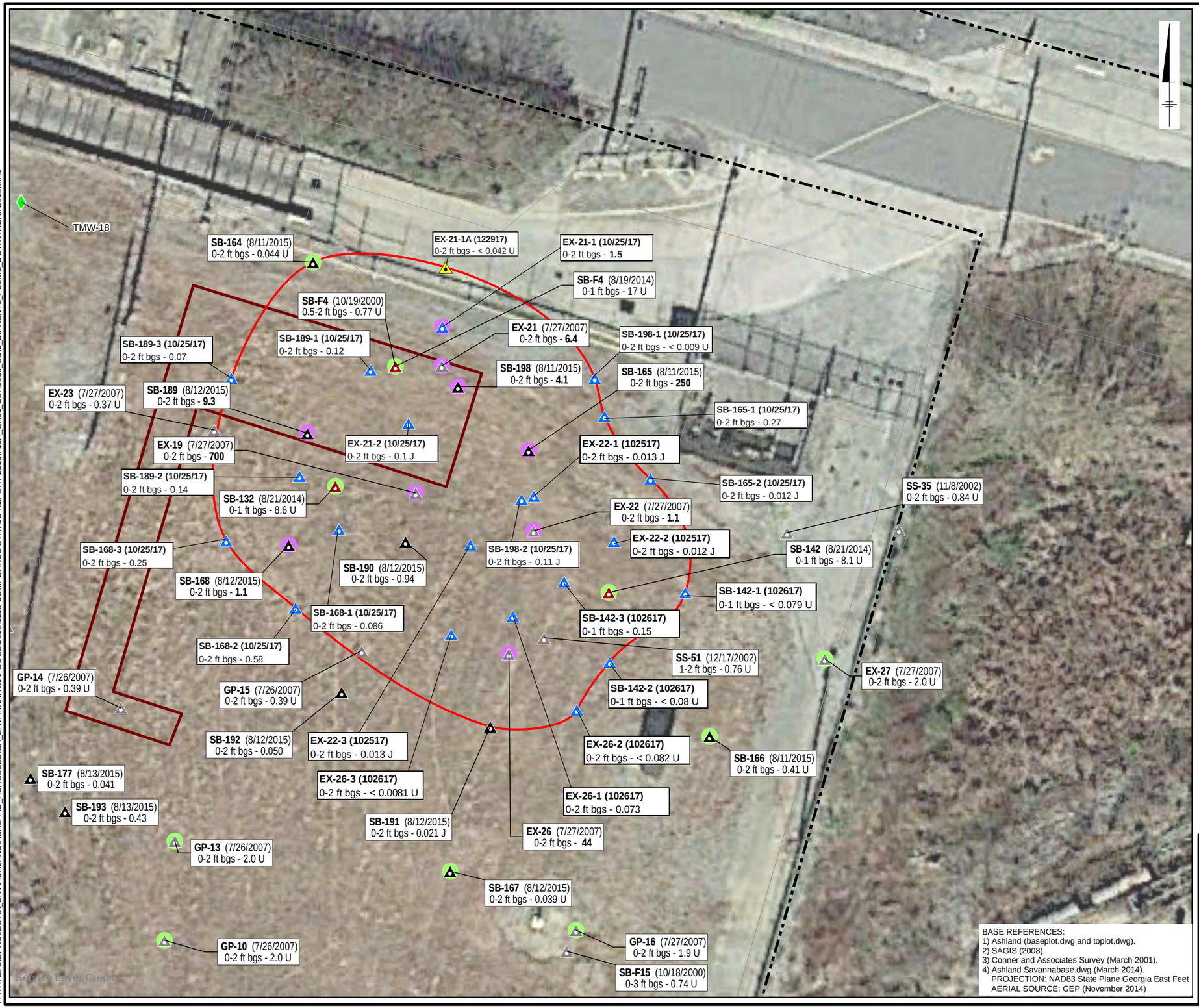
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

1,1-Biphenyl Delineation in Soil - Area Locations

ARCADIS Design & Consultancy for natural and built assets

FIGURE
10

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 9/4/2018
PROJECT: OH008000.GA61 PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F11_GA61_CSR2018_SOIL_BIPHENYL.MXD



LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Laboratory Reporting Limit above Type 1-4 RRS
- Result above Type 1-4 RRS (1.0 mg/kg)
- Temporary Monitoring Well (October 2017)
- Property Boundaries (Conner 2001)
- Delineation Line
- Downtherm Unit 2028

Proposed 1,1-Biphenyl Site-Specific Type 4 RRS: 214 mg/kg (Site-Specific Type 4 USEPA Industrial Soil Regional Screening Level based on a target hazard quotient of 1 [HQ = 1])

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.

NA - Not Analyzed
U - Indicates the analyte was analyzed for but not detected.
RRS - Risk Reduction Standard
RSL - Regional Screening Levels
USEPA - United States Environmental Protection Agency

0 20 40
SCALE IN FEET

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: GEP (November 2014)

HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

1,1-Biphenyl Delineation in Soil in the Vicinity of the Downtherm Unit 2028

ARCADIS Design & Consultancy for natural and built assets

FIGURE
10a

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/16/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F10A_GA61_CSR2018_SOIL_BIPHENYL_PLUME_DOWNTHERM2028.MXD

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: GEP (November 2014).

LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Laboratory Reporting Limit above Type 1-4 RRS
- Result above Type 1-4 RRS (1.0 mg/kg)
- Temporary Monitoring Well (October 2017)
- Property Boundaries (Conner 2001)
- Delineation Line
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Former Dry Size Area

Proposed 1,1-Biphenyl Site-Specific Type 4 RRS: 214 mg/kg (Site-Specific Type 4 USEPA Industrial Soil Regional Screening Level based on a target hazard quotient of 1 [HQ = 1])

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) DS-9-1 hit refusal at 2 ft bgs.
8) J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.

NA - Not Analyzed
U - Indicates the analyte was analyzed for but not detected.
RRS - Risk Reduction Standard
RSL - Regional Screening Levels
USEPA - United States Environmental Protection Agency

0 20 40
SCALE IN FEET

HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

1,1-Biphenyl Delineation in Soil in the Vicinity of the Former Dry Size Area

ARCADIS Design & Consultancy for natural and built assets

FIGURE
10b

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61
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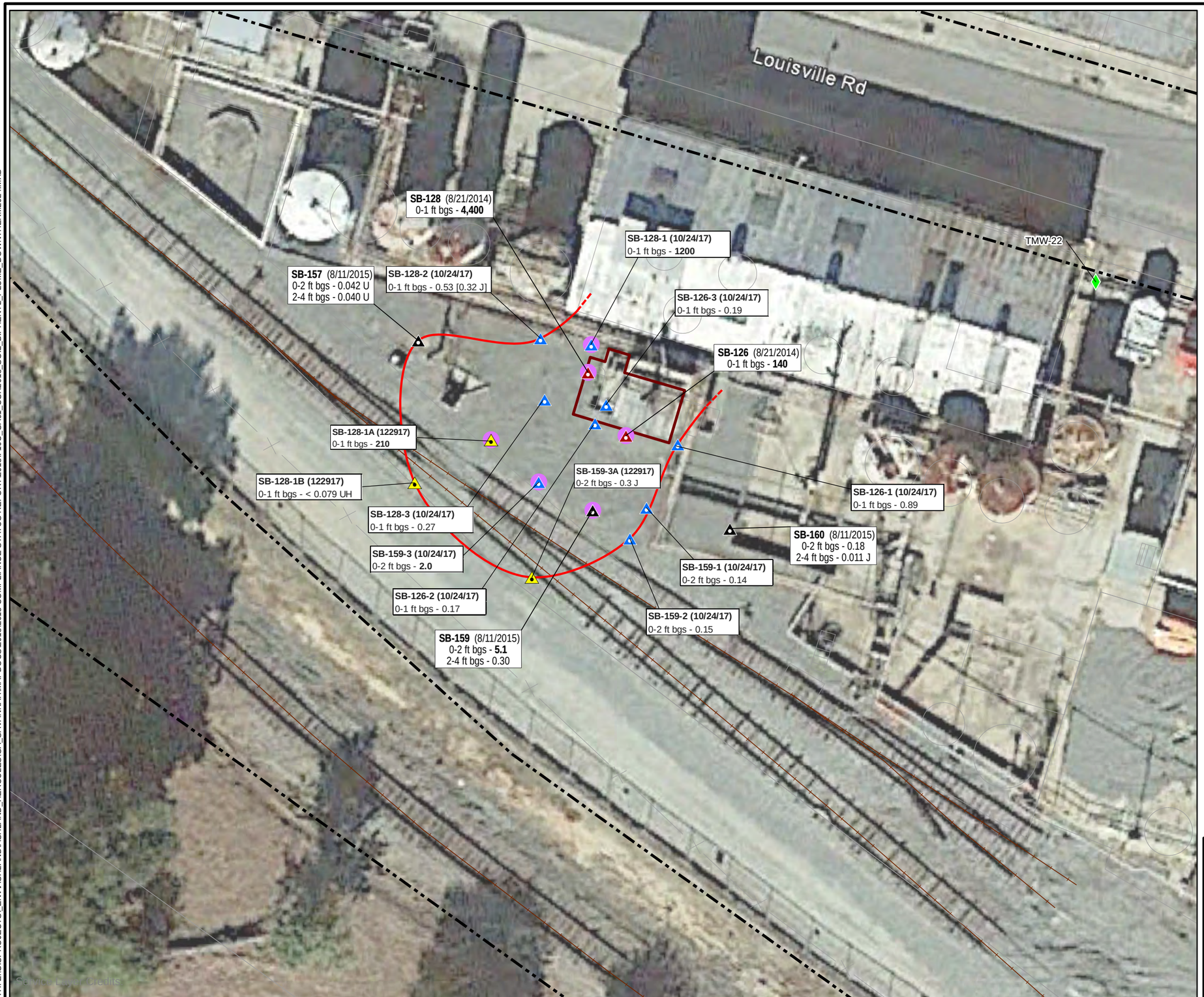


LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Laboratory Reporting Limit above Type 1-4 RRS
- Result above Type 1-4 RRS (1.0 mg/kg)
- Temporary Monitoring Well (October 2017)
- Property Boundaries (Conner 2001)
- Delineation Line
- Delineation Incomplete due to Field Obstruction
- Downtherm Unit 2024

Proposed 1,1-Biphenyl Site-Specific Type 4 RRS: 214 mg/kg
(Site-Specific Type 4 USEPA Industrial Soil Regional Screening Level based on a target hazard quotient of 1 [HQ = 1])

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.
NA - Not Analyzed
U - Indicates the analyte was analyzed for but not detected.
RRS - Risk Reduction Standard
RSL - Regional Screening Levels
USEPA - United States Environmental Protection Agency

0 20 40
SCALE IN FEET

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: GEP (November 2014).

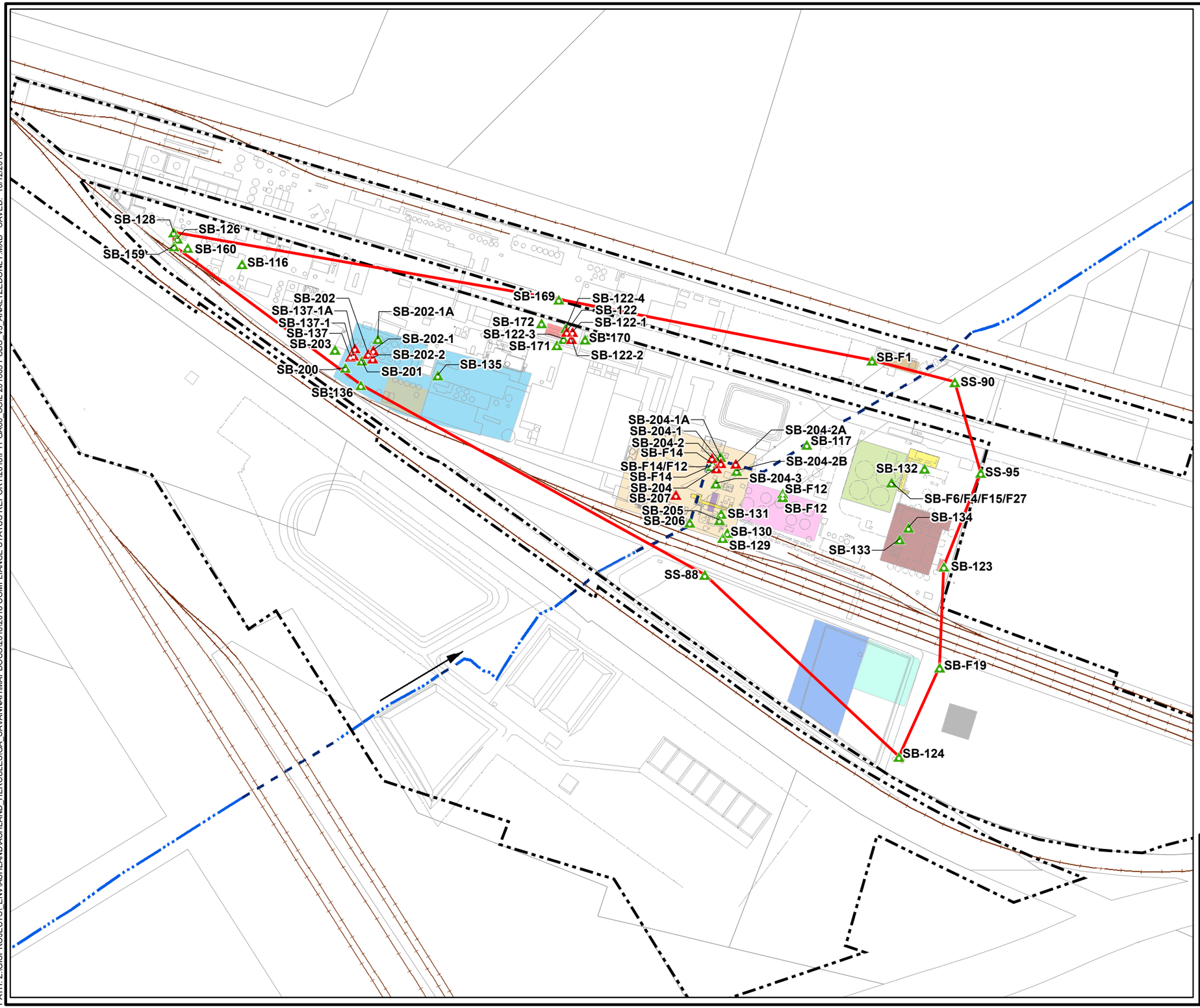
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

1,1-Biphenyl Delineation in Soil in the Vicinity of the Downtherm Unit 2024

ARCADIS Design & Consultancy for natural and built assets

FIGURE
10c

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/12/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F10C_GA61_CSR2018_SOIL_BIPHENYL_PLUME_DOWNTHERM2024.MXD



LEGEND

- Results ≤ 1 mg/kg
- Results ≥ 1 mg/kg
- Property Boundaries (Conner 2001)
- Contractor Yard
- Former Fatty Acid 60s Tank Area
- 30s Tank Area
- Former Fatty Acid 50s Tank Area 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 Dry Size Tank Area
- Type 1/4 RRS Delineation Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

NOTES:
1) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
2) Composite samples were not included in the analytical data shown.
3) All concentrations reported in milligrams per kilogram (mg/kg) except Toxic Equivalency (TEQ) and the Total PCBs that are the sum of all Total Non-Dioxin-like PCBs which have been calculated in picograms per gram (pg/g).
4) The highest of the Type 1/2 RRS was used for delineation purposes.
5) Shaded represent results above the Type 2 RRS.

0 200 400
SCALE IN FEET

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

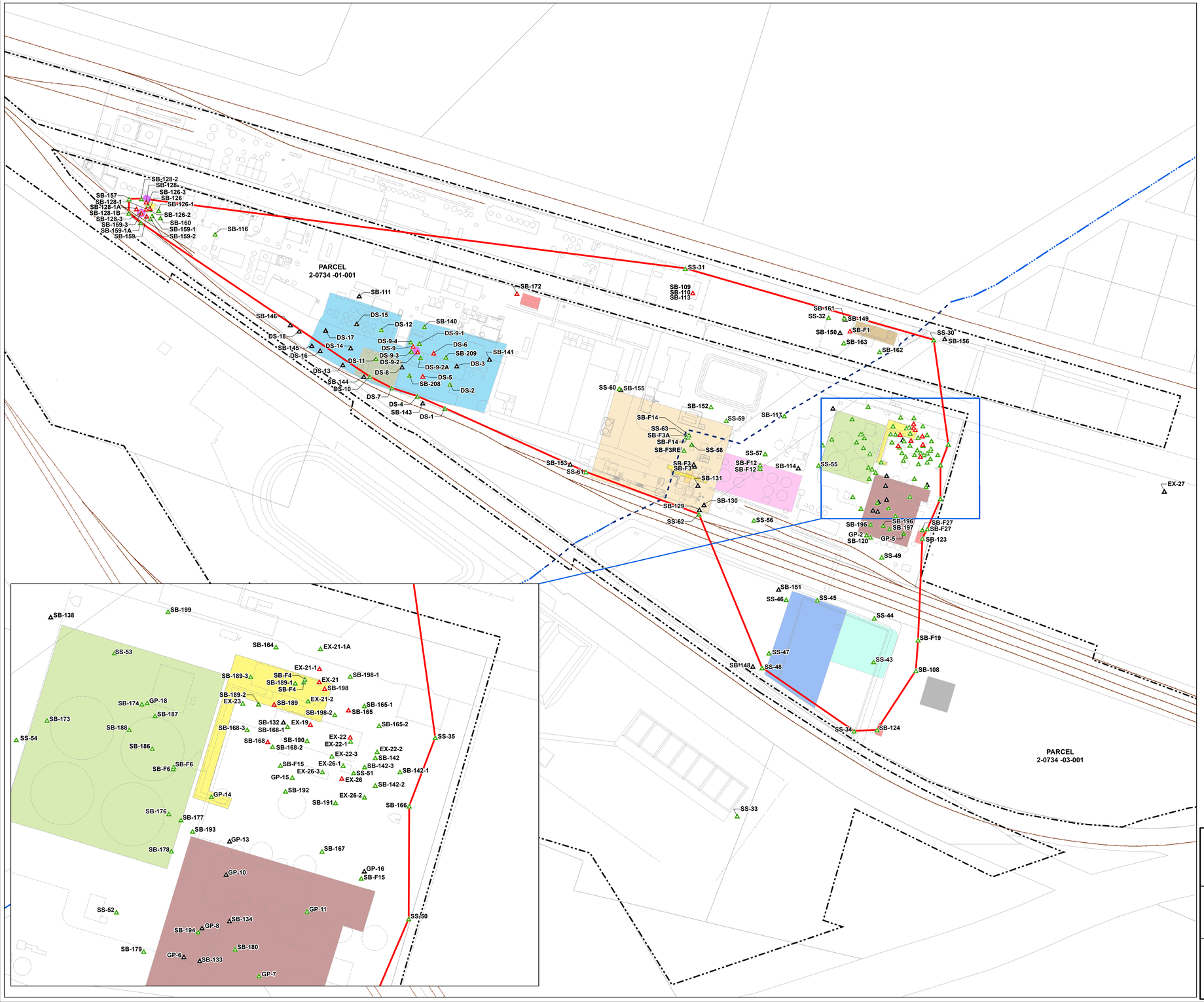
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Comprehensive PCB Delineation in Soil

ARCADIS Design & Consultancy for natural and built assets

FIGURE
11

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: C.MILLER BY: ACARLONE PROJECT: OH009000.GA60
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F11 GA60_SOIL 201805 PCBS_V3_ANALYZEDONLY.MXD SAVED: 10/12/2018



LEGEND

- Non-Detect above the Type 1/4 RRS
- Results ≤ 1 mg/kg
- Results ≥ 1 mg/kg
- Property Boundaries (Conner 2001)
- Contractor Yard
- Former Fatty Acid 60s Tank Area
- 30s Tank Area
- Former Fatty Acid 50s Tank Area
- 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 Dry Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Type 1/4 RRS Delineation Area

NOTES:
1) All concentrations reported in milligrams per kilogram (mg/kg).
2) Location of EX-27 is unknown.

0 100 200 300 400

SCALE IN FEET

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

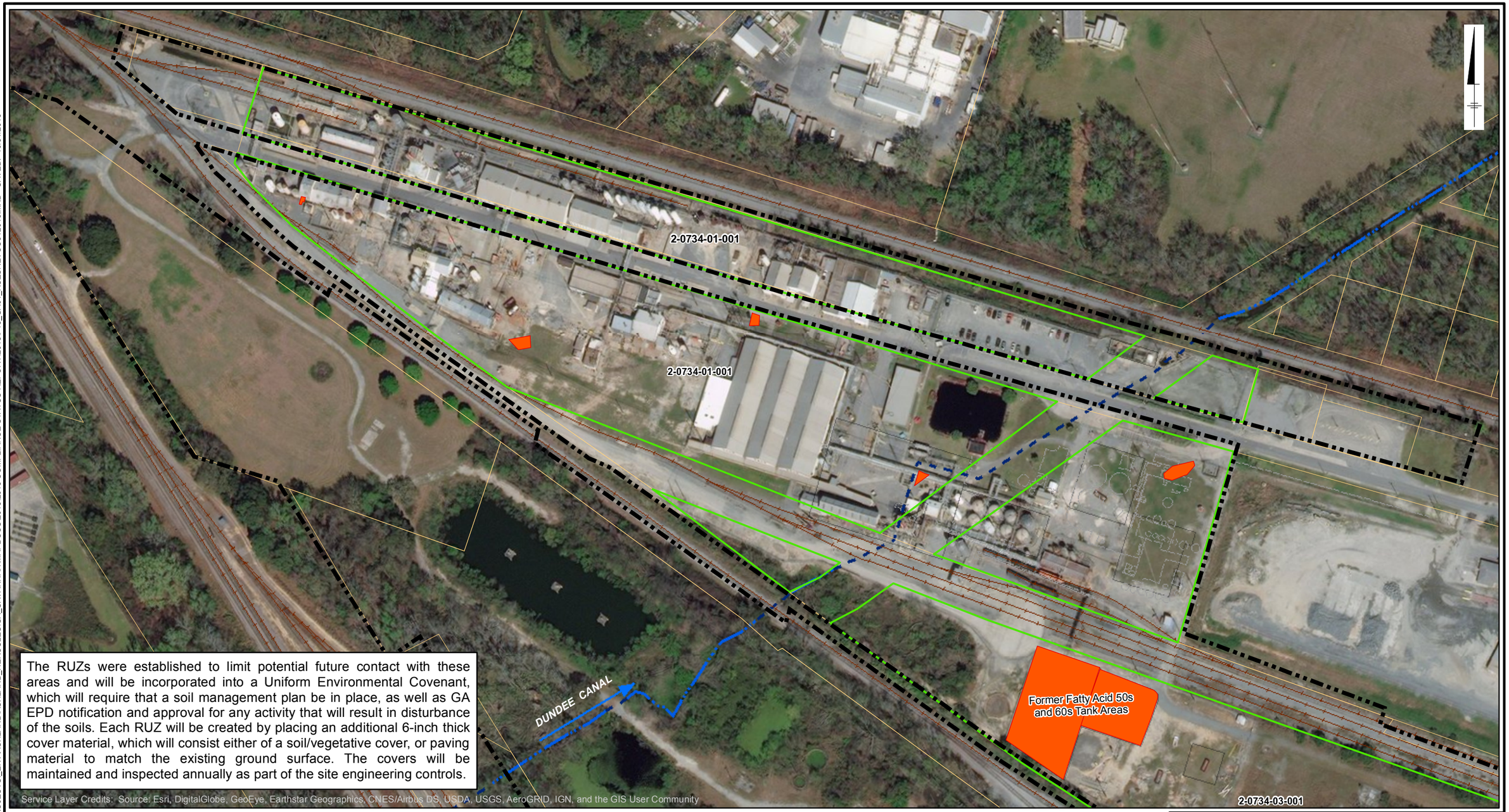
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Comprehensive 1,1-Biphenyl Delineation in Soil

ARCADIS Design & Consultancy for natural and built assets

FIGURE
12

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: C.MILLER BY: ACARLONE PROJECT: OH009000.GA60
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F12 GA60_SOIL 201805 BIPHENYL DSIZE_V2.MXD SAVED: 10/4/2018



The RUZs were established to limit potential future contact with these areas and will be incorporated into a Uniform Environmental Covenant, which will require that a soil management plan be in place, as well as GA EPD notification and approval for any activity that will result in disturbance of the soils. Each RUZ will be created by placing an additional 6-inch thick cover material, which will consist either of a soil/vegetative cover, or paving material to match the existing ground surface. The covers will be maintained and inspected annually as part of the site engineering controls.

BASE REFERENCE:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS parcels (2008).
3) Ashland Savannahbase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: ESRI Online Imagery (NAIP, August 2013)

LEGEND

- Hercules Property (Conner 2001)
- HSI 10696 Site Boundary (SAGIS)
- Surrounding Property (SAGIS)
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Restricted Use Zone

* As defined by the Connor and Associates, March 16, 2001, Boundary Survey of the Hercules Property for Parcels 2-0734-01-001 and 2-0734-03-001.

0 160 320
SCALE IN FEET

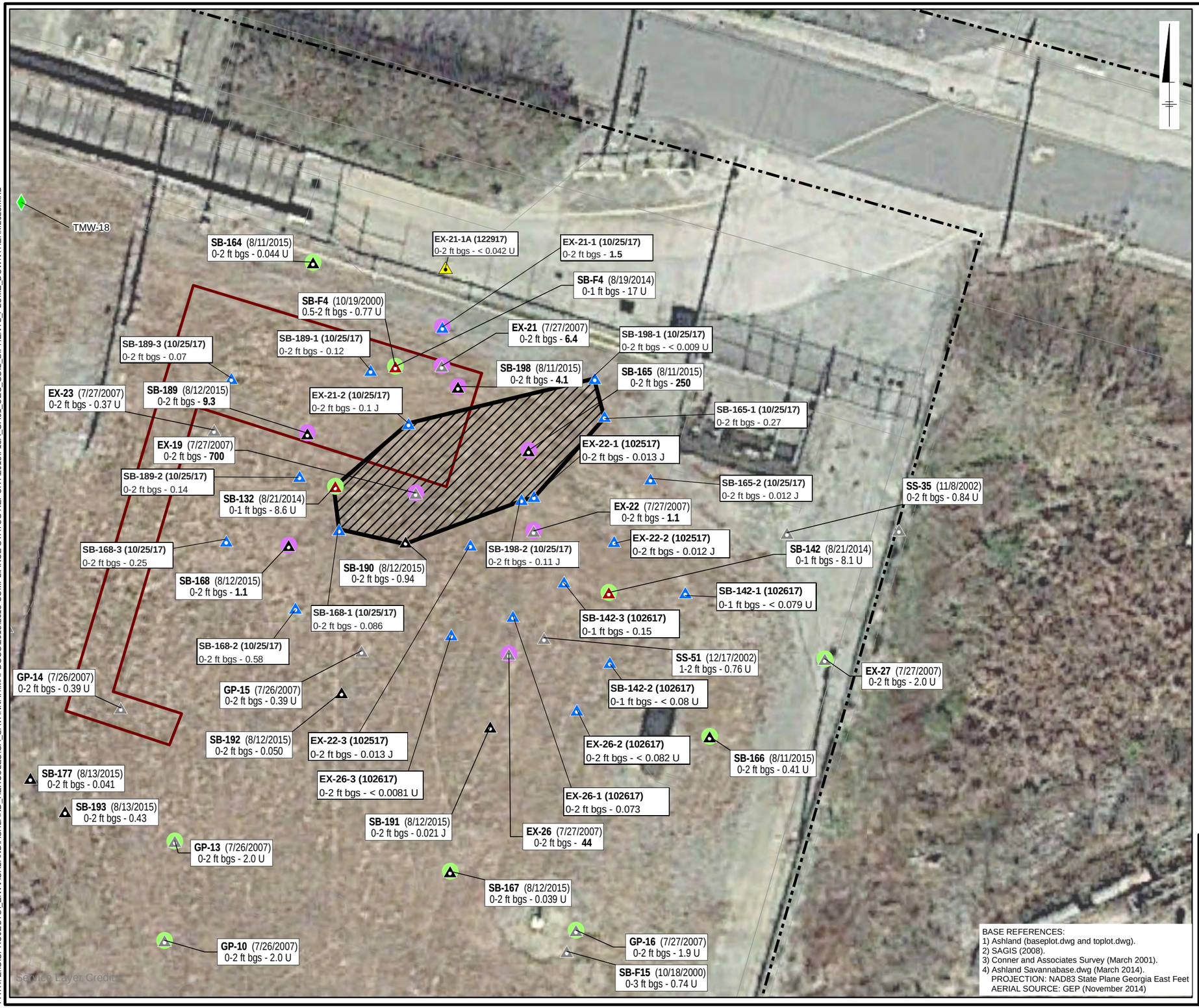
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
2018 COMPLIANCE STATUS REPORT

Restricted Use Zones

ARCADIS Design & Consultancy for natural and built assets

FIGURE
13

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: AKENS
PROJECT: OH008000.GA61 PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F13_GA61_RUZSREVOC312018.MXD SAVED: 10/31/2018



LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Laboratory Reporting Limit above Type 1-4 RRS
- Result above Type 1-4 RRS (1.0 mg/kg)
- Temporary Monitoring Well (October 2017)
- Property Boundaries (Conner 2001)
- Downtherm Unit 2028
- Restricted Use Zone

Proposed 1,1-Biphenyl Site-Specific Type 4 RRS: 214 mg/kg
(Site-Specific Type 4 USEPA Industrial Soil Regional Screening Level based on a target hazard quotient of 1 [HQ = 1])

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.

NA - Not Analyzed
U - Indicates the analyte was analyzed for but not detected.
RRS - Risk Reduction Standard
RSL - Regional Screening Levels
USEPA - United States Environmental Protection Agency

0 20 40
SCALE IN FEET

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: GEP (November 2014)

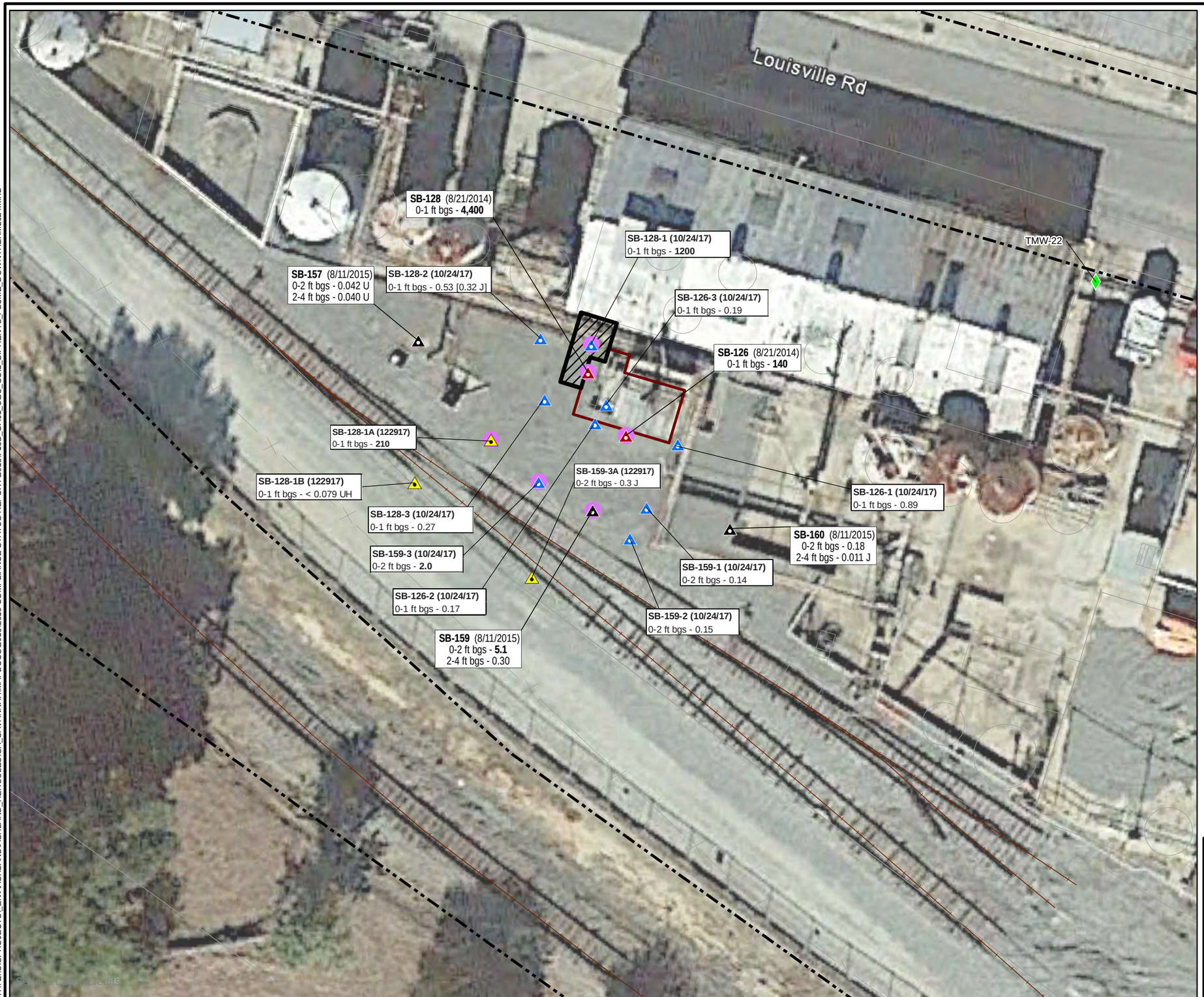
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Restricted Use Zone
Downtherm Unit 2028

ARCADIS Design & Consultancy for natural and built assets

FIGURE
13a

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/15/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F13A_GA61_UEC_SOIL_BIPHENYL_PLUME_DOWNTHERM2028.MXD



LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Laboratory Reporting Limit above Type 1-4 RRS
- Result above Type 1-4 RRS (1.0 mg/kg)
- Temporary Monitoring Well (October 2017)
- Property Boundaries (Conner 2001)
- Downtherm Unit 2024
- Restricted Use Zone

Proposed 1,1-Biphenyl Site-Specific Type 4 RRS: 214 mg/kg
(Site-Specific Type 4 USEPA Industrial Soil Regional Screening Level based on a target hazard quotient of 1 [HQ = 1])

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.
NA - Not Analyzed
U - Indicates the analyte was analyzed for but not detected.
RRS - Risk Reduction Standard
RSL - Regional Screening Levels
USEPA - United States Environmental Protection Agency

0 20 40
SCALE IN FEET

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
PROJECTION: NAD83 State Plane Georgia East Feet
AERIAL SOURCE: GEP (November 2014).

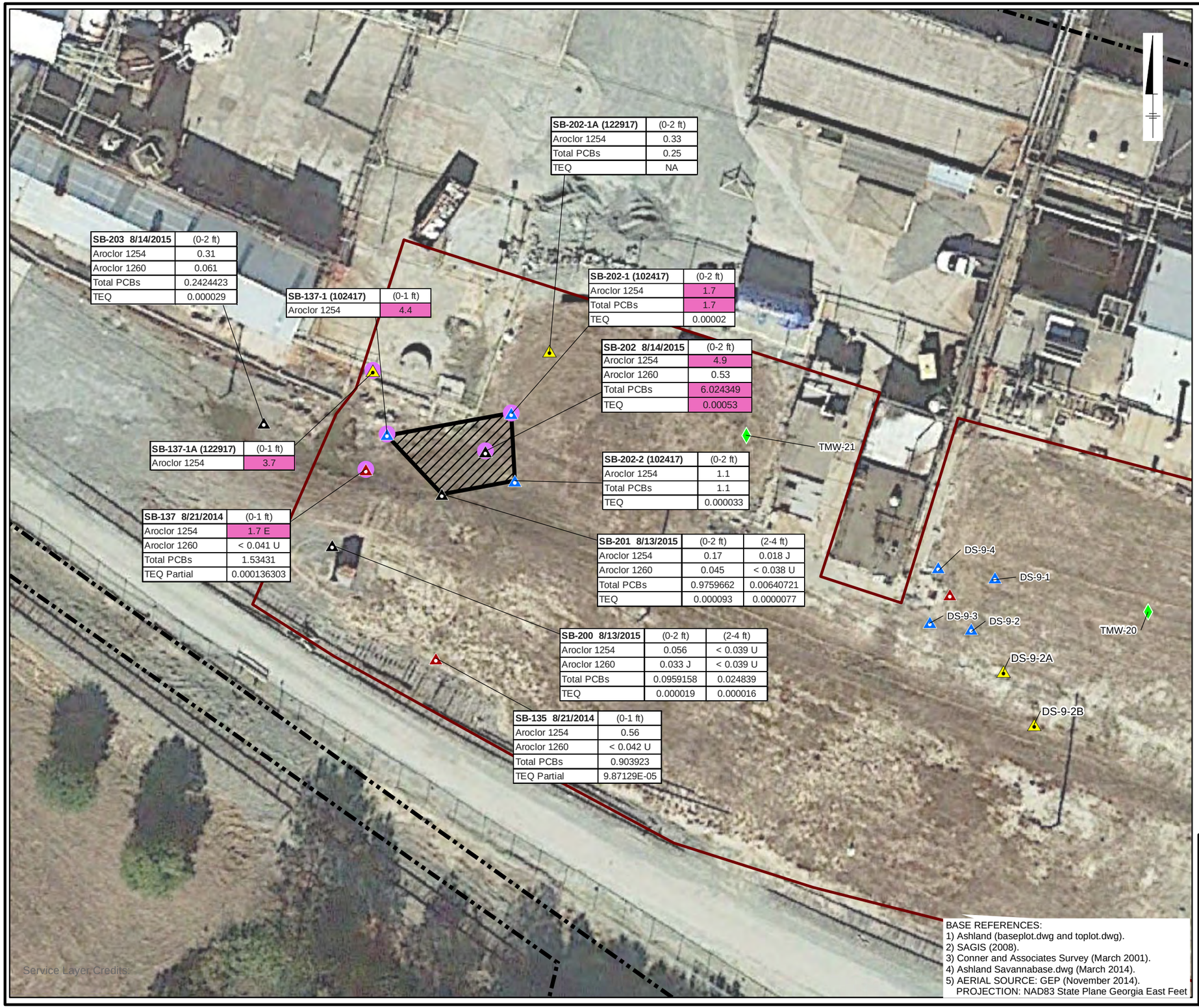
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Restricted Use Zone
Downtherm Unit 2024

ARCADIS Design & Consultancy for natural and built assets

FIGURE
13b

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/15/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F13B_GA61_UEC_SOIL_BIPHENYL_PLUME_DOWNTHERM2024.MXD



BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
5) AERIAL SOURCE: GEP (November 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August/September 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Result above Type 1-4 RRS
- Temporary Monitoring Well (October 2017)
- Property Boundaries (Conner 2001)
- Former Dry Size Area
- Restricted Use Zone

Constituent	Type 1-4 RRS
Aroclor 1254 (mg/kg)	1.55
Aroclor 1260 (mg/kg)	1.55
Total PCBs (mg/kg)	1.55
TEQ Partial (mg/kg)	---
TEQ (mg/kg)	0.000115

Proposed Site-Specific Type 4 RRS:
Aroclor 1254 = 7.3 mg/kg
(Site-Specific Type 4 RRS derived based on the direct contact number, protection of groundwater)
2,3,7,8 TCDD TEQ = 0.00044 mg/kg
(Site-Specific Type 4 RRS derived based on the Type 4 RRS provided by GAEPD)

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) Shaded represent results above the Type 2 RRS.
8) A third step-out sample was not collected for SB-137-2, as the area is paved.
9) NA - Not Analyzed
E - Analyte exceeds the calibration range of equipment.
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.
RRS - Risk Reduction Standard
TEQ - Toxic Equivalency
TEQ Partial - The summed TEF adjusted concentration of detected dioxin-like PCBs.

0 30 60
SCALE IN FEET

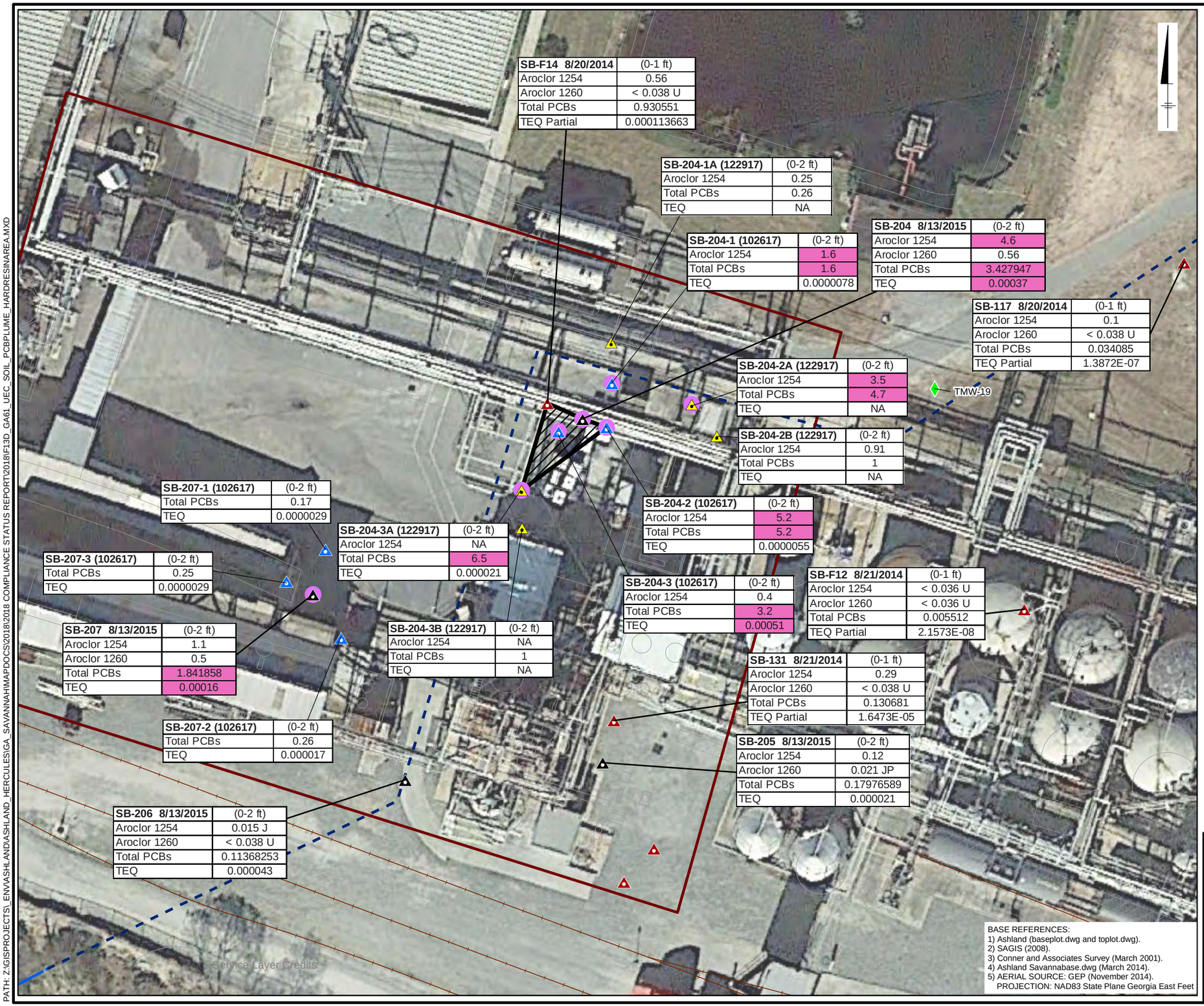
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Restricted Use Zone
Former Dry Size Area

ARCADIS Design & Consultancy for natural and built assets

FIGURE
13c

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/15/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F13C_GA61_UEC_SOIL_201712_PCB_PLUME.MXD



BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
5) AERIAL SOURCE: GEP (November 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August/September 2015)
- Soil Boring (October 2017)
- Soil Boring (December 2017)
- Result above Type 1-4 RRS
- Temporary Monitoring Well (October 2017)
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Hard Resins Area
- Restricted Use Zone

Constituent	Type 1-4 RRS
Aroclor 1254 (mg/kg)	1.55
Aroclor 1260 (mg/kg)	1.55
Total PCBs (mg/kg)	1.55
TEQ Partial (mg/kg)	---
TEQ (mg/kg)	0.000115

Proposed Site-Specific Type 4 RRS:
Aroclor 1254 = 7.3 mg/kg
(Site-Specific Type 4 RRS derived based on the direct contact number, protection of groundwater)
2,3,7,8 TCDD TEQ = 0.00044 mg/kg
(Site-Specific Type 4 RRS derived based on the Type 4 RRS provided by GAEPD)

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) Shaded represent results above the Type 2 RRS.
8) NA - Not Analyzed
ND - Not Detected
E - Analyte exceeds the calibration range of equipment.
J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.
P - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U - Indicates the analyte was analyzed for but not detected.
RRS - Risk Reduction Standard
TEQ - Toxic Equivalency
TEF - Toxic Equivalency Factor
TEQ Partial - The summed TEF adjusted concentration of detected dioxin-like PCBs.

0 30 60
SCALE IN FEET

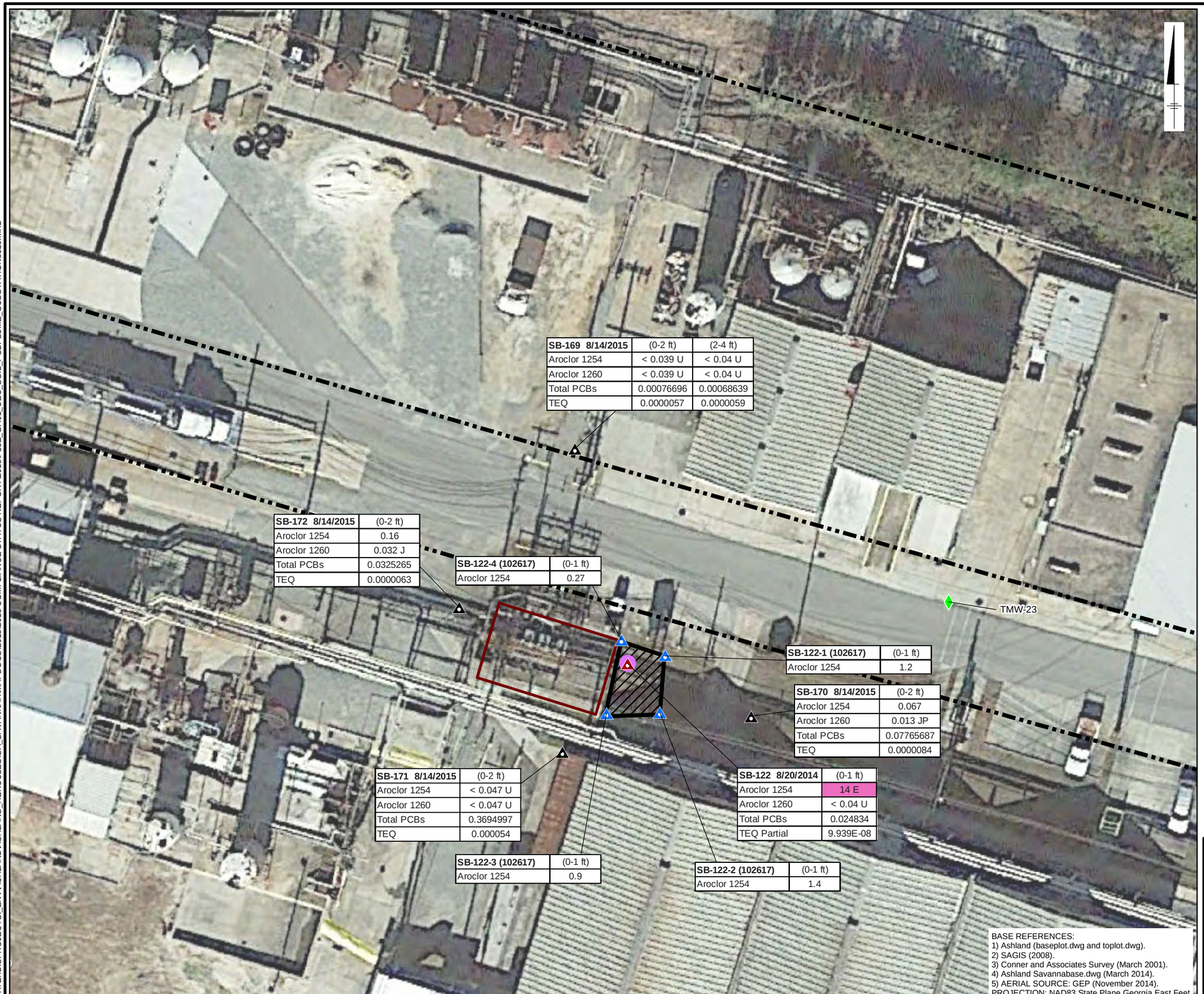
HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Restricted Use Zone
Hard Resins Area

ARCADIS Design & Consultancy for natural and built assets

FIGURE
13d

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/16/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F13D_GA61_UEC_SOIL_PCBPLUME_HARDRESINAREA.MXD



LEGEND

- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August/September 2015)
- Soil Boring (October 2017)
- Result above Type 1-4 RRS
- Temporary Monitoring Well (October 2017)
- Property Boundaries (Conner 2001)
- Electrical Substation 8526
- Restricted Use Zone

Constituent	Type 1-4 RRS
Aroclor 1254 (mg/kg)	1.55
Aroclor 1260 (mg/kg)	1.55
Total PCBs (mg/kg)	1.55
TEQ Partial (mg/kg)	---
TEQ (mg/kg)	0.000115

Proposed Site-Specific Type 4 RRS:
Aroclor 1254 = 7.3 mg/kg
(Site-Specific Type 4 RRS derived based on the direct contact number, protection of groundwater)
2,3,7,8 TCDD TEQ = 0.00044 mg/kg
(Site-Specific Type 4 RRS derived based on the Type 4 RRS provided by GAEPD)

NOTES:
1) All locations are approximate.
2) Location IDs and data boxes are provided only for soil sample locations where the target constituent was analyzed.
3) If a duplicate was taken, the highest value is shown.
4) Composite samples were not included in the analytical data shown.
5) All soil concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1-4 RRS was used for delineation purposes.
7) Shaded represent results above the Type 2 RRS.
8) NA - Not Analyzed
ND - Not Detected
E - Analyte exceeds the calibration range of equipment.
J - Result is less than the reporting limit but greater than or equal to the detection limit and the concentration is an approximate value.
P - The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U - Indicates the analyte was analyzed for but not detected.
RRS - Risk Reduction Standard
TEQ - Toxic Equivalency
TEF - Toxic Equivalency Factor
TEQ Partial - The summed TEF adjusted concentration of detected dioxin-like PCBs.

0 30 60
SCALE IN FEET

HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
COMPLIANCE STATUS REPORT

Restricted Use Zone
Electrical Substation 8526

ARCADIS Design & Consultancy for natural and built assets

FIGURE
13e

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: ACARLONE SAVED: 10/16/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F13E_GA61_UEC_SOIL_PCBPLUME_SUBSTATION8526.MXD

BASE REFERENCES:
1) Ashland (baseplot.dwg and toplot.dwg).
2) SAGIS (2008).
3) Conner and Associates Survey (March 2001).
4) Ashland Savannabase.dwg (March 2014).
5) AERIAL SOURCE: GEP (November 2014).
PROJECTION: NAD83 State Plane Georgia East Feet

LEGEND

Hercules Property (Conner 2001)

Restricted Use Zone - Former Fatty Acid 50s and 60s Tank Area restricted use zone, as noted in the February 2011 GAEPD response submittal

NOTES:
1) All locations are approximate.

0 100 200
SCALE IN FEET

HERCULES LLC / SOLENIS LLC
SAVANNAH PLANT (HSI #10696)
SAVANNAH, GEORGIA
2018 COMPLIANCE STATUS REPORT

Restricted Use Zone
Former Fatty Acid 50s and 60s Tank Areas

ARCADIS Design & Consultancy for natural and built assets

FIGURE
13f

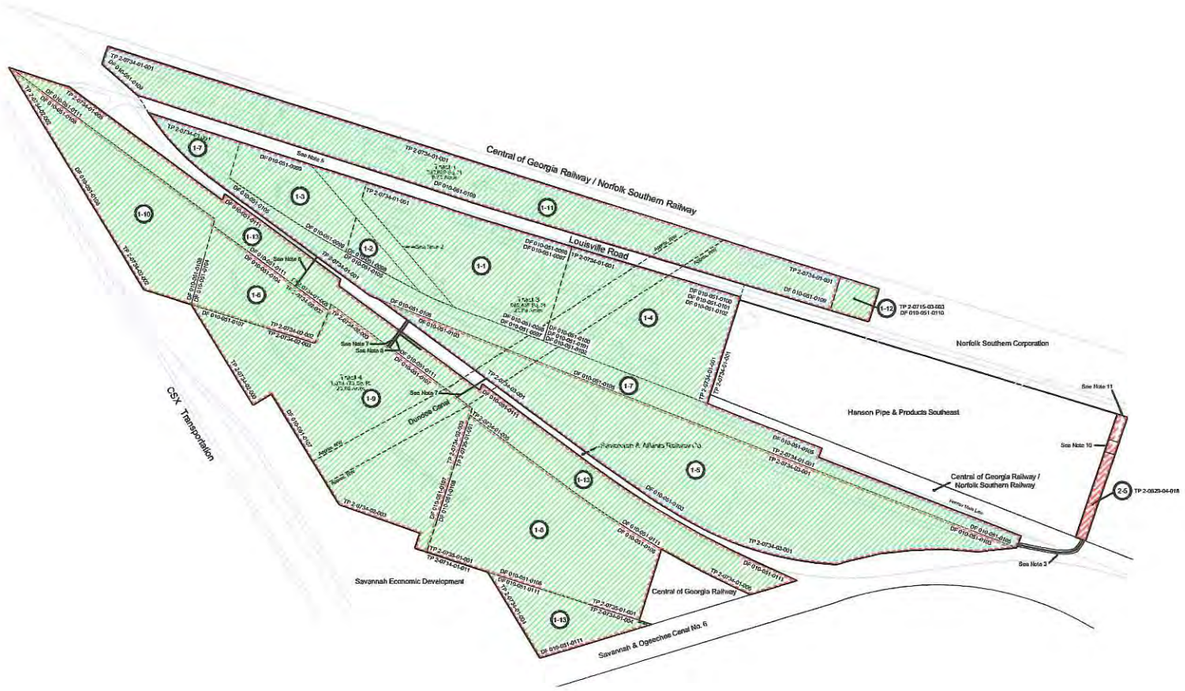
CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: A.CARLONE PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: AKENS SAVED: 10/31/2018
PROJECT: OH008000.GA61
PATH: Z:\GISPROJECTS_ENV\ASHLAND\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2018\2018 COMPLIANCE STATUS REPORT\2018\F13F_GA61_UEC_SUBSTATION8526REVOC312018.MXD

APPENDIX A

Tax Parcel Map and Connor Survey

HERCULES INCORPORATED

3000 LOUISVILLE ROAD, SAVANNAH, CHATHAM COUNTY, GEORGIA



Parcels Currently Owned by Hercules Incorporated
Approximately 53.27 Acres

Parcel	Deed File	Grantor	Deed Source	Area	Comments
1-1	010-051-0096	Western Paper Makers Chemical	Deed Book 31-Z, Folio 193	3.49 Acres	A part of Tract 3 on the Boundary Survey by Conner & Associates dated March 16, 2001.
	010-051-0097	Paper Makers Chemical Corp.	Deed Book 31-X, Folio 353		A part of Tract 3 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-2	010-051-0098	Paper Makers Chemical Corp.	Deed Book 31-Y, Folio 032	0.33 Acres	A part of Tract 3 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-3	010-051-0099	Paper Makers Chemical Corp.	Deed Book 31-X, Folio 354	1.42 Acres	A part of Tract 3 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-4	010-051-0100	James R. Sheldon, Executor	Deed Book 41-X, Folio 197	4.08 Acres	A part of Tract 3 on the Boundary Survey by Conner & Associates dated March 16, 2001.
	010-051-0101	Emma W. Morellas	Deed Book 41-Y, Folio 086		
	010-051-0102	James R. Sheldon	Deed Book 41-X, Folio 214		
1-5	* 010-051-0103	Savannah & Atlanta Railway Co.	Deed Book 65-Q, Folio 441	8.47 Acres	A part of Tract 3 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-6	010-051-0104	R.F. Simmons	Deed Book 66-B, Folio 355	1.73 Acres	A part of Tract 4 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-7	010-051-0105	Savannah & Atlanta Railway Co.	Deed Book 97-D, Folio 645	4.22 Acres	A part of Tract 3 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-8	010-051-0106	Sidney L. Raskin, et,al	Deed Book 99-A, Folio 253	5.33 Acres	A part of Tract 4 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-9	010-051-0107	Jack W. Shearouse	Deed Book 99-O, Folio 017	7.02 Acres	A part of Parcel 1 as shown on the Boundary and Site Survey for the Bank of America of
1-10	010-051-0108	Jewel Tuten Hoggan	Deed Book 118-Y, Folio 842	3.31 Acres	A part of Tract 4 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-11	010-051-0109	Central of Georgia Railroad Co.	Deed Book 121-C, Folio 218	6.41 Acres	A part of Tract 1 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-12	010-051-0110	Central of Georgia Railroad Co.	Deed Book 126-T, Folio 474	0.31 Acres	A part of Tract 1 on the Boundary Survey by Conner & Associates dated March 16, 2001.
1-13	010-051-0111	CSX Transportation Inc.	Deed Book 135-B, Folio 113	5.21 Acres	A part of Tract 4 on the Boundary Survey by Conner & Associates dated March 16, 2001.
	010-051-0111			1.26 Acres	A part of Tract 4 on the Boundary Survey by Conner & Associates dated March 16, 2001.
N/A				0.68 Acres	A part of Tract 3 on the Boundary Survey by Conner & Associates dated March 16, 2001.
Total				53.27 Acres	

Parcels Formerly Owned by Hercules Incorporated

Parcel	Deed File	Grantor	Deed Source	Area	Comments
2-5	*010-051-0103	Savannah & Atlanta Railway Co.	Deed Book 65-Q, Folio 441	0.31 Acres	Acreage shown is calculated from the deed plot.

Tax Parcel Summary

Parcel	Tax Parcel	Deed Reference	Assessor Area	Survey/Calc. Area	Comments
1-1	2-0734-01-001	All of Deed Book 31-Z, Folio 193	14.43 Acres	3.49 Acres	
		All of Deed Book 31-X, Folio 353			
1-2		All of Deed Book 31-Y, Folio 032		0.33 Acres	
1-3		All of Deed Book 31-X, Folio 354		1.42 Acres	
1-4		All of Deed Book 41-X, Folio 197		4.08 Acres	
		All of Deed Book 41-Y, Folio 086			
		All of Deed Book 41-X, Folio 214			
1-7		All of Deed Book 97-D, Folio 645		4.22 Acres	
1-11		All of Deed Book 121-C, Folio 218		6.41 Acres	
N/A		N/A		0.68 Acres	
1-5	2-0734-03-001	Part of Deed Book 65-Q, Folio 441	7.86 Acres	8.47 Acres	
1-6	2-0734-02-002	All of Deed Book 66-B, Folio 355	6.24 Acres	1.73 Acres	
1-10		All of Deed Book 118-Y, Folio 842		3.31 Acres	
1-8	2-0735-01-001	All of Deed Book 99-A, Folio 253	7.85 Acres	5.33 Acres	
1-9	2-0734-02-003	All of Deed Book 99-O, Folio 017	7.19 Acres	7.02 Acres	
1-12	2-0715-03-003	All of Deed Book 126-T, Folio 474	0.31 Acres	0.31 Acres	
1-13	2-0734-01-004	Part of Deed Book 135-B, Folio 113	1.06 Acres	1.26 Acres	
1-13	2-0734-01-005	Part of Deed Book 135-B, Folio 113	8.11 Acres	5.21 Acres	
Total			53.07 Acres	53.27 Acres	

Notes

1. Property lines shown are take from survey plats by Conner and Associates dated March 16, 2001.
2. A deed of correction by and between Charles Lemas to Western Paper Makers Chemical dated August 1, 1922 of record in Deed Book 17-K, Page 249 states "This error in description was due to the fact that the surveyor did not show the right-of-way of the Midland Railroad which crosses Patterson's four acres in a curve near the northwestern boundary. This was due to the fact that the Midland Railroad has been abandoned and its tracks taken up. All of this right-of-way we understand is now under fence by the Paper Makers Chemical Corporation."
3. On October 7, 1976, the Central of Georgia Railroad Company granted unto Hercules, Incorporated, a license to construct, maintain and use as a private access road upon and along, and across at grade, the right-of-way or property of the Railroad. Please note Item 4 of this agreement states "This license is a personal privilege to Licensee hereunder, and shall not be transferred or assigned without the written consent of Railroad."
4. All of Tract 1 with the exception of Parcel 1-12, and all of Tract 3 are subject to an Affidavit Pursuant to the Voluntary Remediation Program Act - Officer's Affidavit, Hercules Incorporated dated May 1, 2013.
5. On March 11, 1966, the Board of County Commissioners granted to Hercules Powder Company a perpetual right-of-way and easement to construct and maintain a sanitary sewer, storm sewer and industrial sewer over and along this portion of Louisville Road. This record is found in Minute Book A-7.
6. Approximate location of a pipe bridge and gravel walkway crossing as shown on the Hercules Facilities map dated September 28, 1982 and referenced as an agreement acquired on June 8, 1959 from the Savannah and Atlanta Railway Company.
7. Approximate location of a pipe crossing as shown on the Hercules Facilities map dated September 28, 1982 and referenced as an agreement acquired on February 14, 1972 from the Seaboard Coast Line Railroad and Central of Georgia Railway Company.
8. Approximate location of a wire crossing as shown on the Hercules Facilities map dated September 28, 1982 and referenced as an agreement acquired on March 19, 1973 from the Central of Georgia Railway Company.
9. The Dundee Canal is shown in its approximate location based on surveys by Conner and Associates dated Match 16, 2001 for Hercules Incorporated and a survey by Kern-Coleman & Company dated May 29, 2008 for the Seaboard System Railroad.
10. 40 Ft. Access Easement per agreement dated November 24, 1998 by and between Hercules Incorporated and Sherman International Corp. as shown on attached plat by Barrett Land Surveying, Inc., dated November 18, 1997
11. See letter agreement dated May 23, 1967 by and between Hercules Incorporated and Ken-Block Company granting permission to maintain a fence over and across the property of Hercules Incorporated.

Legend

- Properly currently owned by Hercules Incorporated
- Boundary line per deed record.
- Surveyed tract boundary line.
- Tax Parcel Boundary.
- Area subject to Voluntary Remediation Program Act.
- TP — Tax Parcel Number.
- DF — Ashland Inc. Deed File Reference.

Graphic Scale

0 200 400 800

Scale: 1 inch = 200 feet

Parcel Map

Revised	
Date	By
Mar. 5, 2014	BCP

Site: Hercules Incorporated
3000 Louisville Road
Savannah, GA 31410

ASHLAND — Ashland Inc. Corporate Real Estate Lexington, Kentucky

Drawn: Sep. 17, 2013	By: Barry Peters	Revised: As Shown
Master File No.: MF-GA-H	Scale: 1 Inch = 200 Feet	Drawing No.: SAVANNAHBASE

SURVEYOR'S NOTES

1. THE FOLLOWING DEEDS, PLATS AND DRAWINGS WERE USED IN PREPARING THIS SURVEY:

   A. WARRANTY DEED BY AND BETWEEN EMMA W. MOREL AND HERCULES POWDER COMPANY DATED NOVEMBER 24, 1945, RECORDED IN DEED BOOK 41Y, PAGE 86, CHATHAM COUNTY, GEORGIA RECORDS.

   B. EXECUTOR'S DEED BY AND BETWEEN JAMES R. SHELDON, EXECUTOR OF THE LAST WILL AND TESTAMENT OF BESSIE R. SHELDON AND HERCULES POWDER COMPANY DATED NOVEMBER 14, 1945, RECORDED IN DEED BOOK 41X, FOLIO 197, CHATHAM COUNTY, GEORGIA RECORDS.

   C. WARRANTY DEED BY AND BETWEEN JAMES R. SHELDON AND HERCULES POWDER COMPANY DATED NOVEMBER 14, 1945, RECORDED IN DEED BOOK 41X, FOLIO 214, CHATHAM COUNTY, GEORGIA RECORDS.

   D. WARRANTY DEED BY AND BETWEEN PAPER MAKERS CHEMICAL CORPORATION AND HERCULES POWDER COMPANY DATED NOVEMBER 2, 1936, RECORDED IN DEED BOOK 31Z, FOLIO 193, CHATHAM COUNTY, GEORGIA RECORDS.

   E. WARRANTY DEED BY AND BETWEEN CENTRAL OF GEORGIA RAILROAD COMPANY AND HERCULES INCORPORATED DATED FEBRUARY 23, 1983, RECORDED IN DEED BOOK 121C, FOLIO 218, CHATHAM COUNTY, GEORGIA RECORDS.

   F. WARRANTY DEED BY AND BETWEEN SAVANNAH & ATLANTA RAILWAY COMPANY AND HERCULES POWDER COMPANY DATED SEPTEMBER 29, 1956, RECORDED IN DEED BOOK 65Q, FOLIO 441, CHATHAM COUNTY, GEORGIA RECORDS.

   G. WARRANTY DEED BY AND BETWEEN HERCULES INCORPORATED AND SAVANNAH & ATLANTA RAILWAY COMPANY DATED MARCH 12, 1969, RECORDED IN DEED BOOK 96K, FOLIO 549, CHATHAM COUNTY, GEORGIA RECORDS.

   H. WARRANTY DEED BY AND BETWEEN SCOTT CONCRETE PIPE COMPANY AND SHERMAN INTERNATIONAL DATED OCTOBER 8, 1987, RECORDED IN DEED BOOK 136B, FOLIO 708, CHATHAM COUNTY, GEORGIA RECORDS.

   I. SUBDIVISION MAP OF THE J.H. ROBERTS ESTATE BY W.F. BROWN DATED JULY 1915.

   J. PLAT OF 1.22 ACRES OF LAND FOR THE WESTERN PAPER MAKERS CHEMICAL COMPANY BY PERCY SUGDEN, C.E. DATED MARCH 25, 1925, RECORDED IN MAP BOOK 2, PAGE 35, CHATHAM COUNTY, GEORGIA RECORDS.

   K. SOUTHERN RAILWAY SYSTEM PLAT BY JOSEPH D. SIMS, R.L.S. OF 6.412 ACRES OF PROPERTY RECORDED IN PLAT BOOK 4P, PAGE 189, CHATHAM COUNTY, GEORGIA RECORDS.

   L. SAVANNAH & ATLANTA RAILWAY COMPANY PLAN A-19-S DATED NOVEMBER 1955, RECORDED IN PLAT BOOK H, PAGE 137, CHATHAM COUNTY, GEORGIA RECORDS.

   M. SAVANNAH & ATLANTA RAILWAY COMPANY MAP OF 4.144 ACRES OF PROPERTY TO BE CONVEYED TO HERCULES POWDER COMPANY INC. DRAWING NO. 11-80 DATED MARCH 15, 1967.

   N. SAVANNAH & ATLANTA RAILWAY COMPANY MAP SHOWING PROPERTY TO BE ACQUIRED FROM HERCULES POWDER COMPANY DRAWING NO. 4-292 DATED AUGUST 8, 1967, RECORDED IN PLAT BOOK T, PAGES 170 & 171, CHATHAM COUNTY, GEORGIA RECORDS.

   O. WARRANTY DEED BETWEEN JACK W. SHEARHOUSE AND HERCULES INCORPORATED DATED AUGUST 24, 1971, RECORDED IN DEED BOOK 99O, FOLIO 17, CHATHAM COUNTY, GEORGIA RECORDS.

   P. DEED BETWEEN SIDNEY L. RASKIN AND SAVANNAH JEWISH COUNCIL, INC. AND HERCULES INCORPORATED DATED 1971, RECORDED IN DEED BOOK 99A, FOLIO 253, CHATHAM COUNTY, GEORGIA RECORDS.

   Q. DEED BETWEEN SAVANNAH & ATLANTA RAILWAY COMPANY AND HERCULES, INCORPORATED DATED AUGUST 29, 1969, RECORDED IN DEED BOOK 97D, FOLIO 645, CHATHAM COUNTY, GEORGIA RECORDS.

   R. DEED BETWEEN R.F. SIMMONS AND HERCULES POWDER COMPANY DATED DECEMBER 14, 1956, RECORDED IN DEED BOOK 66B, FOLIO 355, CHATHAM COUNTY, GEORGIA RECORDS.

   S. WARRANTY DEED BETWEEN JEWELL TUTEN HOGGAN AND HERCULES INCORPORATED DATED JULY 29, 1982, RECORDED IN DEED BOOK 118Y, FOLIO 842, CHATHAM COUNTY, GEORGIA RECORDS.

   T. DEED BETWEEN CENTRAL OF GEORGIA RAILROAD COMPANY AND HERCULES INCORPORATED DATED DECEMBER 26, 1984, RECORDED IN DEED BOOK 126T, FOLIO 474, CHATHAM COUNTY, GEORGIA RECORDS.

   U. DEED BETWEEN CSX TRANSPORTATION, INC. AND HERCULES INCORPORATED DATED JUNE 17, 1987, RECORDED IN DEED BOOK 135B, FOLIO 113, CHATHAM COUNTY, GEORGIA RECORDS.

   V. EASEMENT DEED BETWEEN SEABOARD AIRLINE RAILROAD AND SAVANNAH & ATLANTA RAILWAY COMPANY DATED SEPTEMBER 22, 1961.

2. THE FIELD DATA UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 106,634, AND AN ANGULAR ERROR OF LESS THAN A SECOND PER ANGLE POINT, AND WAS ADJUSTED USING LEAST SQUARES.
3. THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 187,706 FEET.
4. PER CLIENT REQUEST, IMPROVEMENTS ON THE PROPERTY HAVE NOT BEEN LOCATED.
5. HORIZONTAL AND ANGULAR MEASUREMENTS FOR THIS SURVEY WERE MADE WITH A SOKKIA POWERSET TOTAL STATION.
6. FIELD WORK FOR THIS SURVEY WAS PERFORMED ON JANUARY 14, 15, FEBRUARY 8 – 28 AND MARCH 13, 2001.
7. FLOOD ZONE LINES PLOTTED ACCORDING TO FIRM PANEL NO. 130030 0080C, DATED MAY 19, 1987 AND ARE APPROXIMATE.
8. 'o' ARE 1/2" RE-BAR SET AT CORNER SHOWN EXCEPT AS NOTED.
9. THE BASIS FOR THE BEARINGS SHOWN ON THIS SURVEY PLAT IS THE MAP IN NOTE 11.
10. THIS SITE IS ZONED I-H, INDUSTRIAL – HEAVY, PER CHATHAM COUNTY ZONING.

SURVEYOR'S CERTIFICATION

THE UNDERSIGNED HEREBY CERTIFIES TO EASTMAN CHEMICAL RESINS, INC., HERCULES INCORPORATED, AND LAWYERS TITLE INSURANCE CORPORATION AS FOLLOWS:

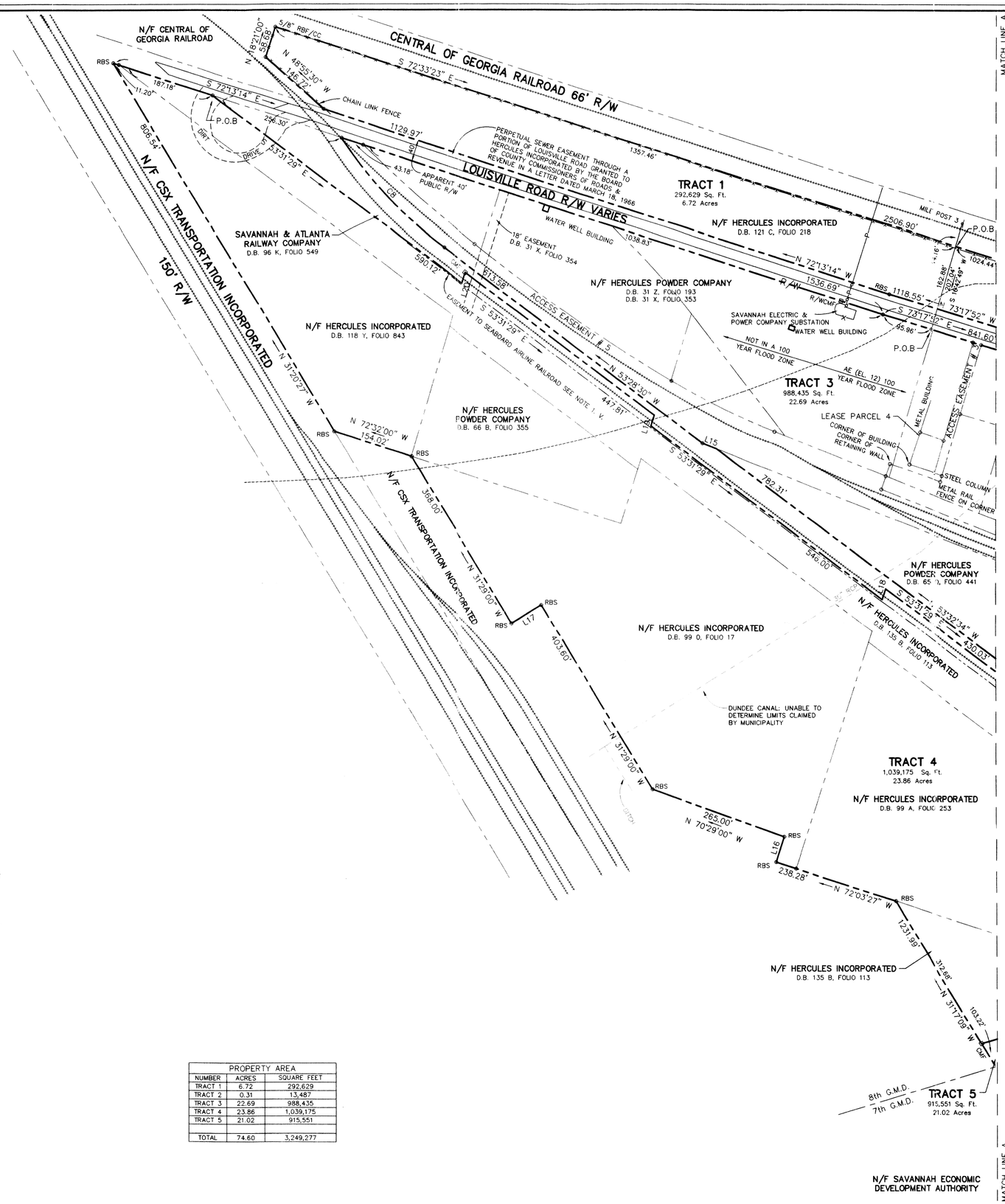
1. THE UNDERSIGNED IS A DULY LICENSED AND REGISTERED LAND SURVEYOR FOR THE STATE OF GEORGIA.
2. THE UNDERSIGNED PREPARED THE PLAT OF SURVEY ENTITLED "BOUNDARY SURVEY OF THE HERCULES INCORPORATED PROPERTY, SAVANNAH GEORGIA PLANT", DATED MARCH 16, 2001. THE SURVEY DEPICTS: (A) THE POINT OF REFERENCE FROM WHICH THE SURVEY WAS PREPARED, (B) THE BOUNDARIES OF THE SUBJECT PROPERTY, AND THE COURSES AND DISTANCES OF SUCH BOUNDARIES; (C) THE AREA OF THE PROPERTY IN ACRES; (D) THE LOCATION OF RIGHTS-OF-WAY, EASEMENTS AND OTHER MATTERS OF RECORD AS CONTAINED IN THAT CERTAIN LAWYERS TITLE INSURANCE CORPORATION TITLE COMMITMENT CASE NO. 378-34/LMD AFFECTING THE PROPERTY, NOTE: SCHEDULE B-SECTION 2 EXCEPTIONS 7-11 WERE NOT SUPPLIED TO THE UNDERSIGNED AND ARE NOT DEPICTED ON THE SURVEY. THE UNDERSIGNED IS ALSO UNABLE TO DETERMINE THE LOCATION OF THE FORMER RIGHTS OF WAY OF THE MIDLAND RAILWAY COMPANY. (E) DEDICATED PUBLIC RIGHTS-OF-WAY ABUTTING THE PROPERTY, TOGETHER WITH THE WIDTH OF THE RIGHTS-OF-WAY AND NAMES THEREOF; (F) LOCATION OF THE DUNDEE CANAL AND WATER WELLS LOCATED UPON OR ABUTTING THE PROPERTY
3. EXCEPT AS SHOWN ON THE SURVEY, THERE ARE NO VISIBLE: (A) ENCROACHMENTS UPON THE PROPERTY BY IMPROVEMENTS ON ADJACENT PROPERTY; OR (B) ENCROACHMENTS ON ADJACENT PROPERTY, PUBLIC OR PRIVATE RIGHTS-OF-WAY, OR EASEMENTS BY IMPROVEMENTS ON THE PROPERTY.
4. LOUISVILLE ROAD IS A PAVED, DEDICATED PUBLIC RIGHT-OF-WAY BUT DOES NOT APPEAR TO BE MAINTAINED BY GOVERNMENTAL AUTHORITY WITHIN THE PLANT BOUNDARY.
5. THE UNDERSIGNED HAS REVIEWED FIRM PANEL NO. 130030 0080C, DATED MAY 19, 1987 AND HAS DETERMINED THAT PORTIONS OF THE PROPERTY DEPICTED ON THE SURVEY ARE LOCATED IN A SPECIAL FLOOD HAZARD AREA, AS DEFINED UNDER THE NATIONAL FLOOD INSURANCE PROGRAM ADMINISTERED BY THE FEDERAL INSURANCE ADMINISTRATION OF THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

THE UNDERSIGNED MAKES THE FORGOING CERTIFICATION KNOWING THAT EASTMAN CHEMICAL RESINS, INC., HERCULES INCORPORATED, AND LAWYERS TITLE INSURANCE CORPORATION WILL RELY THEREON. THIS CERTIFICATION IS MADE AS OF MARCH 16, 2001.

Wright Powers 3-16-01
WRIGHT C. POWERS, JR., GA RLS 2612

PROPERTY AREA		
NUMBER	ACRES	SQUARE FEET
TRACT 1	6.72	292,629
TRACT 2	0.31	13,487
TRACT 3	22.69	988,435
TRACT 4	23.86	1,039,175
TRACT 5	21.02	915,551
TOTAL	74.60	3,249,277

100 50 0 100 200
GRAPHIC SCALE



CONNOR AND ASSOCIATES, INC.
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PH (912) 897-5460 / FAX (912) 897-6131

BOUNDARY SURVEY OF HERCULES INCORPORATED PROPERTY
SAVANNAH GEORGIA PLANT
LOCATED NEAR CENTRAL JUNCTION

3000 LOUISVILLE ROAD

7th & 8th G.M.D., SAVANNAH, CHATHAM COUNTY, GEORGIA

RECORDED IN:
PLAT BK.
PAGE
DATE

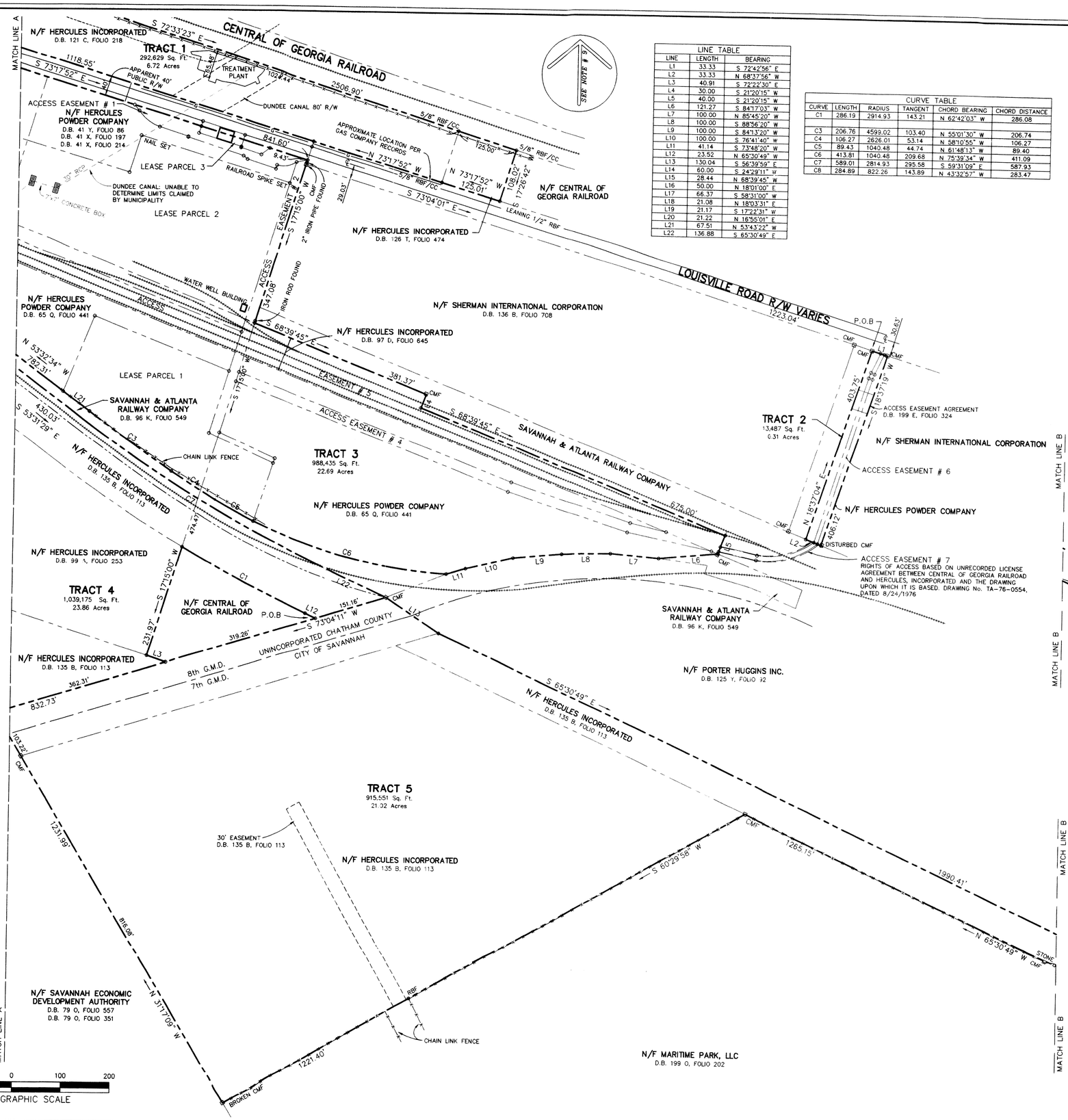
GEORGIA REGISTERED LAND SURVEYOR WRIGHT C. POWERS, JR. No. 2612 3-16-01

REVISIONS:

FIELD CHECK:	CMP
OFFICE CHECK:	WCP
DRAWN BY:	DJP
DATE:	MARCH 16, 2001
SCALE:	1"=100'
PROJECT No.:	00147
FILE:	00147A

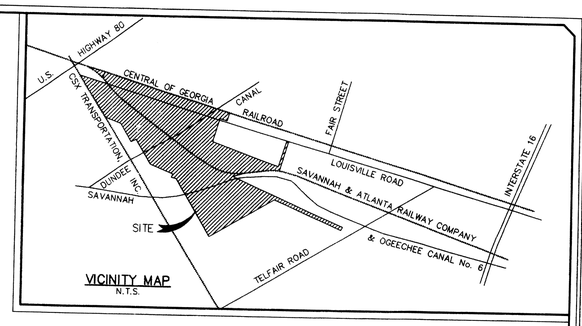
SHEET 1 OF 3

F.B. (495-50)



LINE TABLE		
LINE	LENGTH	BEARING
L1	33.33	S 72°42'56" E
L2	33.33	N 68°37'56" W
L3	40.91	S 72°22'30" E
L4	30.00	S 21°20'15" W
L5	40.00	S 21°20'15" W
L6	121.27	S 84°17'03" W
L7	100.00	N 85°45'20" W
L8	100.00	S 88°56'20" W
L9	100.00	S 84°13'20" W
L10	100.00	S 76°41'40" W
L11	41.14	S 73°48'20" W
L12	23.52	N 65°30'49" W
L13	130.04	S 56°39'59" E
L14	60.00	S 24°29'11" W
L15	28.44	N 68°39'45" W
L16	50.00	N 18°01'00" E
L17	66.37	S 58°31'00" W
L18	21.08	N 18°03'31" E
L19	21.17	S 17°22'31" W
L20	21.22	N 18°55'01" E
L21	67.51	N 53°43'22" W
L22	136.88	S 65°30'49" E

CURVE TABLE					
CURVE	LENGTH	RADIUS	TANGENT	CHORD BEARING	CHORD DISTANCE
C1	286.19	2914.93	143.21	N 62°42'03" W	286.08
C3	206.76	4599.02	103.40	N 55°01'30" W	206.74
C4	106.27	2626.01	53.14	N 58°10'55" W	106.27
C5	89.43	1040.48	44.74	N 61°48'13" W	89.40
C6	413.81	1040.48	209.68	N 75°39'34" W	411.09
C7	589.01	2814.93	295.58	S 59°31'09" E	587.93
C8	284.89	822.26	143.89	N 43°32'57" W	283.47



VICINITY MAP
N.T.S.

LEGEND

CMF	=	CONC. MONUMENT FOUND
D.B.	=	DEED BOOK
R/WCMF	=	RIGHT-OF-WAY MONUMENT FOUND
P.O.C.	=	POINT OF COMMENCEMENT
P.O.B.	=	POINT OF BEGINNING
—P—	=	OVERHEAD POWER
—G—	=	UNDERGROUND GAS LINE
RBF/CC	=	RE-BAR FOUND IN CONCRETE
RBS	=	RE-BAR SET

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BOUNDARY SURVEY OF HERCULES, INCORPORATED PROPERTY
SAVANNAH GEORGIA PLANT
LOCATED NEAR CENTRAL JUNCTION

3000 LOUISVILLE ROAD

7th & 8th G.M.D., SAVANNAH, CHATHAM COUNTY, GEORGIA

RECORDED IN:
PLAT BK. _____
PAGE _____
DATE _____

GEORGIA REGISTERED LAND SURVEYOR NO. 2813 WRIGHT C. POWERS, JR.
3-16-01

REVISIONS:

FIELD CHECK:	CMP
OFFICE CHECK:	WCP
DRAWN BY:	DJP
DATE:	MARCH 16, 2001
SCALE:	1"=100'
PROJECT No.:	00147
FILE:	00147A

SHEET 2 OF 3

F.B. (495-50)

PROPERTY DESCRIPTION TRACT 1

ALL THAT CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING IN THE 8th G.M.D., CHATHAM COUNTY, GEORGIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE TRUE POINT OF BEGINNING, COMMENCE AT MILE POST 3 ALONG THE CENTRAL OF GEORGIA RAILROAD FROM THE STATION IN SAVANNAH; THENCE SOUTH 16°42'49" WEST, 44.16 FEET TO A POINT ON THE SOUTHERN RIGHT-OF-WAY LINE OF THE CENTRAL OF GEORGIA RAILROAD, SAID POINT BEING THE POINT OF BEGINNING; THENCE, LEAVING THE AFORESAID POINT OF BEGINNING AND CONTINUING ALONG THE AFORESAID SOUTHERN RIGHT-OF-WAY LINE OF THE CENTRAL OF GEORGIA RAILROAD

SOUTH 72°33'23" EAST, 1,149.44 FEET TO A 5/8" RE-BAR IN CONCRETE; THENCE, LEAVING THE SOUTHERN RIGHT-OF-WAY LINE OF THE CENTRAL OF GEORGIA RAILROAD

SOUTH 17°26'42" WEST, 108.02 FEET TO A 5/8" RE-BAR IN CONCRETE ON THE NORTHERN RIGHT-OF-WAY LINE OF LOUISVILLE ROAD (VARIABLE R/W); THENCE, CONTINUING ALONG THE AFORESAID NORTHERN RIGHT-OF-WAY LINE OF LOUISVILLE ROAD

NORTH 73°17'52" WEST, 1,243.56 FEET TO A POINT; THENCE,

NORTH 72°13'14" WEST, 1,129.97 FEET TO A POINT; THENCE, LEAVING THE NORTHERN RIGHT-OF-WAY LINE OF LOUISVILLE ROAD

NORTH 48°55'30" WEST, 146.72 FEET TO A POINT; THENCE,

NORTH 18°21'00" EAST, 58.68 FEET TO A 5/8" RE-BAR IN CONCRETE ON THE SOUTHERN RIGHT-OF-WAY LINE OF THE CENTRAL OF GEORGIA RAILROAD; THENCE, CONTINUING ALONG THE AFORESAID SOUTHERN RIGHT-OF-WAY LINE OF THE CENTRAL OF GEORGIA RAILROAD

SOUTH 72°33'23" EAST, 1,357.46 FEET TO THE POINT OF BEGINNING,

CONTAINING 292,629 SQUARE FEET OR 6.72 ACRES.

PROPERTY DESCRIPTION TRACT 2

ALL THAT CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING IN THE 8th G.M.D., CHATHAM COUNTY, GEORGIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE TRUE POINT OF BEGINNING, COMMENCE AT MILE POST THREE ALONG THE CENTRAL OF GEORGIA RAILROAD FROM THE STATION IN SAVANNAH; THENCE, SOUTH 16°42'49" WEST, 207.04 FEET TO A POINT ON THE SOUTHERN RIGHT-OF-WAY LINE OF LOUISVILLE ROAD (APPARENT 40' R/W AT THIS POINT); THENCE, RUNNING WITH THE AFORESAID RIGHT-OF-WAY LINE OF LOUISVILLE ROAD SOUTH 73°17'52" EAST, 745.64 FEET TO A POINT; THENCE, SOUTH 17°15'00" WEST, 9.43 FEET TO A CONCRETE MONUMENT FOUND; THENCE, SOUTH 73°04'01" EAST, 1,223.04 FEET TO A CONCRETE MONUMENT FOUND AT THE POINT OF BEGINNING; THENCE, LEAVING THE AFORESAID POINT OF BEGINNING AND CONTINUING ALONG THE AFORESAID RIGHT-OF-WAY LINE OF LOUISVILLE ROAD

SOUTH 72°42'56" EAST, 33.33 FEET TO A CONCRETE MONUMENT FOUND; THENCE, LEAVING THE AFORESAID RIGHT-OF-WAY LINE OF LOUISVILLE ROAD

SOUTH 18°37'19" WEST, 406.12 FEET TO A DISTURBED CONCRETE MONUMENT FOUND ON THE RIGHT-OF-WAY LINE OF THE SAVANNAH & ATLANTA RAILROAD; THENCE, CONTINUING ALONG THE AFORESAID RIGHT-OF-WAY LINE OF THE SAVANNAH & ATLANTA RAILROAD

NORTH 68°37'56" WEST, 33.33 FEET TO A POINT; THENCE, LEAVING THE AFORESAID RIGHT-OF-WAY LINE OF THE SAVANNAH & ATLANTA RAILROAD

NORTH 18°37'04" EAST, 403.75 FEET TO THE POINT OF BEGINNING,

CONTAINING 13,487 SQUARE FEET OR 0.31 ACRES.

LEGAL DESCRIPTION – TRACT 3

ALL THAT CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING IN THE 8th G.M.D., CHATHAM COUNTY, GEORGIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE TRUE POINT OF BEGINNING, COMMENCE AT MILE POST THREE ALONG THE CENTRAL OF GEORGIA RAILROAD FROM THE STATION IN SAVANNAH; THENCE, SOUTH 16°42'49" WEST, 207.04 FEET TO A POINT ON THE SOUTHERN RIGHT-OF-WAY LINE OF LOUISVILLE ROAD (APPARENT 40' R/W AT THIS POINT) BEING THE POINT OF BEGINNING; THENCE, LEAVING AFORESAID POINT OF BEGINNING AND RUNNING WITH THE AFORESAID RIGHT-OF-WAY LINE OF LOUISVILLE ROAD

SOUTH 73°17'52" EAST, 745.64 FEET TO A POINT; THENCE, LEAVING AFORESAID RIGHT-OF-WAY LINE OF LOUISVILLE ROAD

SOUTH 17°15'00" WEST, 347.08 FEET TO A POINT; THENCE,

SOUTH 68°39'45" EAST, 381.37 FEET TO A CONCRETE MONUMENT FOUND; THENCE,

SOUTH 21°20'15" WEST, 30.00 FEET TO A POINT; THENCE,
SOUTH 68°39'45" EAST, 675.00 FEET TO A POINT; THENCE,
SOUTH 21°20'15" WEST, 40.00 FEET TO A POINT; THENCE,
SOUTH 84°17'03" WEST, 121.27 FEET TO A POINT; THENCE,
NORTH 85°45'20" WEST, 100.00 FEET TO A POINT; THENCE,
SOUTH 88°56'20" WEST, 100.00 FEET TO A POINT; THENCE,
SOUTH 84°13'20" WEST, 100.00 FEET TO A POINT; THENCE,
SOUTH 76°41'40" WEST, 100.00 FEET TO A POINT; THENCE,
SOUTH 73°48'20" WEST, 41.14 FEET TO A POINT; THENCE,

413.81 FEET ALONG THE ARC OF A CURVE DEFLECTING TO THE RIGHT HAVING A RADIUS OF 1,040.48 FEET AND A CHORD OF NORTH 75°39'34" WEST, 411.09 FEET TO A POINT; THENCE,

89.43 FEET ALONG THE ARC OF A CURVE DEFLECTING TO THE RIGHT HAVING A RADIUS OF 1,040.48 FEET AND A CHORD OF NORTH 61°48'13" WEST, 89.40 FEET TO A POINT; THENCE,

106.27 FEET ALONG THE ARC OF A CURVE DEFLECTING TO THE RIGHT HAVING A RADIUS OF 2,626.01 FEET AND A CHORD OF NORTH 58°10'55" WEST, 106.27 FEET TO A POINT; THENCE,

206.76 FEET ALONG THE ARC OF A CURVE DEFLECTING TO THE RIGHT HAVING A RADIUS OF 4,599.02 FEET AND A CHORD OF NORTH 55°01'30" WEST, 206.74 FEET TO A POINT; THENCE,

NORTH 53°43'22" WEST, 67.51 FEET TO A POINT; THENCE,
NORTH 53°32'34" WEST, 782.31 FEET TO A POINT; THENCE,
NORTH 68°39'45" WEST, 28.44 FEET TO A POINT; THENCE,
NORTH 53°28'30" WEST, 613.58 FEET TO A POINT; THENCE,

284.89 FEET ALONG THE ARC OF A CURVE DEFLECTING TO THE RIGHT HAVING A RADIUS OF 822.26 FEET AND A CHORD OF NORTH 43°32'57" WEST, 283.47 FEET TO A POINT; THENCE,

SOUTH 72°13'14" EAST, 1,082.01 FEET TO A POINT; THENCE,
SOUTH 73°17'52" EAST, 95.96 FEET TO THE POINT OF BEGINNING,

CONTAINING 988,435 SQUARE FEET OR 22.69 ACRES.

PROPERTY DESCRIPTION TRACT 4

ALL THAT CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING IN THE 8th G.M.D., CHATHAM COUNTY, GEORGIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE TRUE POINT OF BEGINNING, COMMENCE AT MILE POST THREE ALONG THE CENTRAL OF GEORGIA RAILROAD FROM THE STATION IN SAVANNAH; THENCE, SOUTH 16°42'49" WEST, 207.04 FEET TO A POINT ON THE SOUTHERN RIGHT-OF-WAY LINE OF LOUISVILLE ROAD (APPARENT 40' R/W AT THIS POINT), THENCE, RUNNING WITH THE AFORESAID RIGHT-OF-WAY LINE OF LOUISVILLE ROAD NORTH 73°17'52" WEST, 95.96 FEET TO A POINT; THENCE, NORTH 72°13'14" WEST, 1,338.31 FEET TO THE POINT OF BEGINNING; THENCE, LEAVING AFORESAID POINT OF BEGINNING AND THE AFORESAID RIGHT-OF-WAY LINE OF LOUISVILLE ROAD

SOUTH 53°31'29" EAST, 590.12 FEET TO A POINT; THENCE,
NORTH 16°55'01" EAST, 21.22 FEET TO A POINT; THENCE,
SOUTH 53°31'29" EAST, 447.81 FEET TO A POINT; THENCE,
SOUTH 17°22'31" WEST, 21.17 FEET TO A POINT; THENCE,
SOUTH 53°31'29" EAST, 546.00 FEET TO A POINT; THENCE,
NORTH 18°03'31" EAST, 21.08 FEET TO A POINT; THENCE,
SOUTH 53°31'29" EAST, 430.03 FEET TO A POINT; THENCE,

589.01 FEET ALONG THE ARC OF A CURVE DEFLECTING TO THE LEFT HAVING A RADIUS OF 2,814.93 FEET AND A CHORD OF SOUTH 59°31'09" EAST, 587.93 FEET TO A POINT; THENCE,

SOUTH 65°30'49" EAST, 136.88 FEET TO A POINT; THENCE,
SOUTH 73°04'11" WEST, 151.16 FEET TO A POINT; THENCE,
NORTH 65°30'49" WEST, 23.52 FEET TO A POINT; THENCE,

286.19 FEET ALONG THE ARC OF A CURVE DEFLECTING TO THE LEFT HAVING A RADIUS OF 2914.93 FEET AND A CHORD OF NORTH 62°42'03" WEST, 286.08 FEET TO A POINT; THENCE,

SOUTH 17°15'00" WEST, 231.97 FEET TO A POINT; THENCE,
SOUTH 72°22'30" EAST, 40.91 FEET TO A POINT; THENCE,
SOUTH 73°04'11" WEST, 362.31 FEET TO A POINT; THENCE,
NORTH 31°17'09" WEST, 312.68 FEET TO A POINT; THENCE,
NORTH 72°03'27" WEST, 238.28 FEET TO A POINT; THENCE,
NORTH 18°01'00" EAST, 50.00 FEET TO A POINT; THENCE,
NORTH 70°29'00" WEST, 265.00 FEET TO A POINT; THENCE,
NORTH 31°29'00" WEST, 403.60 FEET TO A POINT; THENCE,
SOUTH 58°31'00" WEST, 66.37 FEET TO A POINT; THENCE,
NORTH 31°29'00" WEST, 368.00 FEET TO A POINT; THENCE,
NORTH 72°32'00" WEST, 154.02 FEET TO A POINT; THENCE,
NORTH 31°20'27" WEST, 806.54 FEET TO A POINT; THENCE,
SOUTH 72°13'14" EAST, 198.38 FEET TO THE POINT OF BEGINNING,

CONTAINING 1,039,175 SQUARE FEET OR 23.86 ACRES.

LEGAL DESCRIPTION TRACT 5

ALL THAT CERTAIN TRACT OR PARCEL OF LAND LYING AND BEING IN THE 7th & 8th G.M.D., SAVANNAH, CHATHAM COUNTY, GEORGIA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

TO FIND THE TRUE POINT OF BEGINNING, COMMENCE AT MILE POST THREE ALONG THE CENTRAL OF GEORGIA RAILROAD FROM THE STATION IN SAVANNAH; THENCE, SOUTH 16°42'49" WEST, 207.04 FEET TO A POINT ON THE SOUTHERN RIGHT-OF-WAY LINE OF LOUISVILLE ROAD (APPARENT 40' R/W AT THIS POINT); THENCE, RUNNING WITH THE AFORESAID RIGHT-OF-WAY LINE OF LOUISVILLE ROAD SOUTH 73°17'52" EAST, 745.64 FEET TO A POINT; THENCE, LEAVING AFORESAID RIGHT-OF-WAY LINE OF LOUISVILLE ROAD SOUTH 17°15'00" WEST, 821.55 FEET TO A POINT; THENCE, 286.19 FEET ALONG THE ARC OF A CURVE DEFLECTING TO THE LEFT HAVING A RADIUS OF 2,914.93 FEET AND A CHORD OF SOUTH 62°42'04" EAST, 286.08 FEET TO A POINT; THENCE, SOUTH 65°30'49" EAST, 23.52 FEET TO THE POINT OF BEGINNING; THENCE, LEAVING THE AFORESAID POINT OF BEGINNING

NORTH 73°04'11" EAST, 151.16 FEET TO A CONCRETE MONUMENT FOUND; THENCE,

SOUTH 56°39'59" EAST, 130.04 FEET TO A POINT; THENCE,
SOUTH 65°30'49" EAST, 1,990.41 FEET TO A POINT; THENCE,
SOUTH 24°29'11" WEST, 60.00 FEET TO A POINT; THENCE,
NORTH 65°30'49" WEST, 1,265.15 FEET TO A POINT; THENCE,
SOUTH 60°29'58" WEST, 1,221.40 FEET TO A BROKEN CONCRETE MONUMENT FOUND; THENCE,

NORTH 31°17'09" WEST, 919.30 FEET TO A POINT; THENCE,
NORTH 73°04'11" EAST, 681.57 FEET TO THE POINT OF BEGINNING,

CONTAINING 915,551 SQUARE FEET OR 21.02 ACRES.

100 50 0 100 200
GRAPHIC SCALE

CONNOR AND ASSOCIATES, INC.
engineers • planners • surveyors
P.O. BOX 10091
SAVANNAH, GEORGIA 31412
PH (912) 897-5400 / FAX (912) 897-8131

BOUNDARY SURVEY OF HERCULES INCORPORATED PROPERTY
SAVANNAH GEORGIA PLANT
LOCATED NEAR CENTRAL JUNCTION

3000 LOUISVILLE ROAD

7th & 8th G.M.D., SAVANNAH, CHATHAM COUNTY, GEORGIA

RECORDED IN:
PLAT BK._____
PAGE _____
DATE _____

GEORGIA REGISTERED LAND SURVEYOR No. 3076 WRIGHT C. POWELL JR.

REVISIONS:

FIELD CHECK:	CMP
OFFICE CHECK:	WCP
DRAWN BY:	DJP
DATE:	MARCH 16, 2001
SCALE:	1"=100'
PROJECT No.:	00147
FILE:	00147A

SHEET 3 OF 3

F.B. (495-50)

APPENDIX B

Historical Groundwater Elevations

Appendix B
Historical Groundwater Elevation Data
2018 Compliance Status Report
Hercules Inc. - 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
	11/1/2000	8.10	10.62	4.98	5.64	2.46
	6/30/2004	8.10	10.62	4.35	6.27	1.83
	1/26/2011	8.10	10.62	4.14	6.48	1.62
	7/21/2011	7.13	9.55	4.39	5.16	1.97
	11/11/2013	7.13	9.55	5.11	4.44	2.69
	5/22/2014	7.13	9.55	4.56	4.99	2.14
	11/4/2014	7.13	9.55	4.16	5.39	1.74
	5/4/2015	7.13	9.55	3.85	5.70	1.43
	11/2/2015	7.13	9.55	4.45	5.10	2.03
	5/2/2016	7.13	9.55	4.29	5.26	1.87
	12/27/2017	7.13	9.55	4.06	5.49	1.64
MW-F2	11/1/2000	8.89	8.58	5.62	2.96	5.93
	6/30/2004	8.89	8.58	5.55	3.03	5.86
	11/19/2008	8.89	8.58	5.46	3.12	5.77
	1/26/2011	8.89	8.58	NM	NM	NM
	7/21/2011	7.70	7.51	5.46	2.05	5.65
	11/11/2013	7.70	7.51	6.13	1.38	6.32
	5/22/2014	7.70	7.51	5.59	1.92	5.78
	11/4/2014	7.70	7.51	NM	NM	NM
	5/4/2015	7.70	7.51	5.14	2.37	5.33
	11/2/2015	7.70	7.51	5.56	1.95	5.75
	5/2/2016	7.70	7.51	4.95	2.56	5.14
	12/27/2017	7.70	7.51	4.90	2.61	5.09
MW-F3	10/23/2000	10.00	9.94	2.51	7.43	2.57
	11/1/2000	10.00	9.94	2.53	7.41	2.59
	7/3/2004	10.00	9.94	1.42	8.52	1.48
	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
	1/26/2011	9.36	13.63	6.60	7.03	2.33
	7/21/2011	8.32	12.53	6.80	5.73	2.59
	11/11/2013	8.32	12.53	7.75	4.78	3.54
	5/22/2014	8.32	12.53	7.38	5.15	3.17
	11/4/2014	8.32	12.53	7.61	4.92	3.40
	5/4/2015	8.32	12.53	6.63	5.90	2.42
	11/2/2015	8.32	12.53	6.99	5.54	2.78
	5/2/2016	8.32	12.53	6.18	6.35	1.97
	12/27/2017	8.32	12.53	6.82	5.71	2.61
MW-F4	10/23/2000	9.60	12.09	5.99	6.10	3.50
	11/1/2000	9.60	12.09	6.04	6.05	3.55

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-F5	10/23/2000	10.01	12.62	6.47	6.15	3.86
	11/1/2000	10.01	12.62	6.61	6.01	4.00
	7/2/2004	10.01	12.62	6.00	6.62	3.39
	8/16/2006	10.01	12.62	6.36	6.26	3.75
	7/30/2008	10.01	12.62	5.73	6.89	3.12
	11/19/2008	10.01	12.62	5.79	6.83	3.18
	1/26/2011	10.01	12.62	5.61	7.01	3.00
	7/21/2011	9.07	11.49	5.59	5.90	3.17
	11/11/2013	9.07	11.49	6.88	4.61	4.46
	5/22/2014	9.07	11.49	6.53	4.96	4.11
	11/4/2014	9.07	11.49	6.76	4.73	4.34
	5/4/2015	9.07	11.49	5.86	5.63	3.44
	11/2/2015	9.07	11.49	6.10	5.39	3.68
	5/2/2016	9.07	11.49	6.18	5.31	3.76
	12/27/2017	9.07	11.49	5.69	5.80	3.27
MW-F6	10/23/2000	10.10	10.03	3.89	6.14	3.96
	11/1/2000	10.10	10.03	3.99	6.04	4.06
	7/2/2004	10.10	10.03	3.40	6.63	3.47
	1/26/2011	10.10	10.03	2.79	7.24	2.86
	7/21/2011	8.97	8.59	2.91	5.68	3.29
	11/27/2013	8.97	8.59	3.80	4.79	4.18
	5/22/2014	8.97	8.59	NM	NM	NM
	11/4/2014	8.97	8.59	5.11	3.48	5.49
	5/4/4015	8.97	8.59	3.06	5.53	3.44
	11/2/2015	8.97	8.59	3.90	4.69	4.28
	5/2/2016	8.97	8.59	3.23	5.36	3.61
	12/27/2017	8.97	8.59	3.00	5.59	3.38
MW-F7	10/23/2000	11.59	14.03	6.18	7.85	3.74
	11/1/2000	11.59	14.03	6.29	7.74	3.85
	8/16/2006	11.59	14.03	6.00	8.03	3.56
	7/30/2008	11.59	14.03	5.58	8.45	3.14
	11/19/2008	11.59	14.03	4.76	9.27	2.32
	1/26/2011	11.59	14.03	4.65	9.38	2.21
	7/21/2011	10.70	13.23	5.16	8.07	2.63
	11/11/2013	10.70	13.23	6.61	6.62	4.08
	5/22/2014	10.70	13.23	5.57	7.66	3.04
	11/4/2014	10.70	13.23	3.56	9.67	1.03
	5/4/2015	10.70	13.23	4.70	8.53	2.17
	11/2/2015	10.70	13.23	5.48	7.75	2.95
	5/2/2016	10.70	13.23	5.45	7.78	2.92
	12/27/2017	10.70	13.23	5.27	7.96	2.74
MW-F8	10/23/2000	12.25	12.50	4.78	7.72	4.53
	11/1/2000	12.25	12.50	5.06	7.44	4.81
	1/26/2011	12.25	12.50	4.21	8.29	3.96
	7/21/2011	11.22	12.59	4.63	7.96	3.26
	11/11/2013	11.22	12.59	6.19	6.40	4.82
	5/22/2014	11.22	12.59	5.01	7.58	3.64
	11/4/2014	11.22	12.59	6.50	6.09	5.13
	5/4/2015	11.22	12.59	4.11	8.48	2.74
	11/2/2015	11.22	12.59	5.14	7.45	3.77
	5/2/2016	11.22	12.59	4.97	7.62	3.60
	12/27/2017	11.22	12.59	4.76	7.83	3.39

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-F9	10/23/2000	13.00	12.84	4.72	8.12	4.88
	11/1/2000	13.00	12.84	4.85	7.99	5.01
	1/26/2011	13.00	12.84	NM	NM	NM
	7/21/2011	12.00	11.78	3.64	8.14	3.86
	11/11/2013	12.00	11.78	4.89	6.89	5.11
	5/22/2014	12.00	11.78	3.82	7.96	4.04
	11/4/2014	12.00	11.78	4.67	7.11	4.89
	5/4/2015	12.00	11.78	2.71	9.07	2.93
	11/2/2015	12.00	11.78	3.64	8.14	3.86
	5/2/2016	12.00	11.78	3.13	8.65	3.35
	12/27/2017	12.00	11.78	3.54	8.24	3.76
MW-F10	10/23/2000	10.56	10.50	4.32	6.18	4.38
	11/1/2000	10.56	10.50	4.39	6.11	4.45
	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
	11/1/2000	9.83	9.30	3.23	6.07	3.76
	1/26/2011	9.83	9.30	2.32	6.98	2.85
	7/21/2011	8.80	8.58	2.22	6.36	2.44
	11/11/2013	8.80	8.58	2.97	5.61	3.19
	5/22/2014	8.80	8.58	2.27	6.31	2.49
	11/4/2014	8.80	8.58	2.91	5.67	3.13
	5/4/2015	8.80	8.58	1.47	7.11	1.69
	11/2/2015	8.80	8.58	2.00	6.58	2.22
	5/2/2016	8.80	8.58	2.08	6.50	2.30
	12/27/2017	8.80	8.58	2.35	6.23	2.57
MW-F12	10/23/2000	10.54	10.10	4.40	5.70	4.84
	11/1/2000	10.54	10.10	4.16	5.94	4.60
	7/3/2004	10.54	10.10	2.98	7.12	3.42
	1/26/2011	10.54	10.10	3.67	6.43	4.11
	7/21/2011	9.47	9.34	3.15	6.19	3.28
	11/11/2013	9.47	9.34	3.70	5.64	3.83
	5/22/2014	9.47	9.34	2.13	7.21	2.26
	11/4/2014	9.47	9.34	3.73	5.61	3.86
	5/4/2015	9.47	9.34	2.05	7.29	2.18
	11/2/2015	9.47	9.34	2.97	6.37	3.10
	5/2/2016	9.47	9.34	2.55	6.79	2.68
	12/27/2017	9.47	9.34	2.70	6.64	2.83
MW-F13	10/23/2000	16.34	19.46	10.35	9.11	7.23
	11/1/2000	16.34	19.46	10.82	8.64	7.70
	7/1/2004	16.34	19.46	12.45	7.01	9.33
	1/26/2011	16.34	19.46	10.30	9.16	7.18
	7/21/2011	15.66	18.47	11.09	7.38	8.28
	11/11/2013	15.66	18.47	11.88	6.59	9.07
	5/22/2014	15.66	18.47	10.25	8.22	7.44
	11/4/2014	15.66	18.47	7.67	10.80	4.86
	5/4/2015	15.66	18.47	9.09	9.38	6.28
	11/2/2015	15.66	18.47	10.31	8.16	7.50
	5/2/2016	15.66	18.47	9.38	9.09	6.57
	12/27/2017	15.66	18.47	9.73	8.74	6.92

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-F14	10/23/2000	6.93	9.33	4.80	4.53	2.40
	11/1/2000	6.93	9.33	4.72	4.61	2.32
	7/1/2004	6.93	9.33	4.20	5.13	1.80
	8/16/2006	6.93	9.33	4.56	4.77	2.16
	1/26/2011	6.93	9.33	2.51	6.82	0.11
	7/21/2011	6.05	8.38	2.91	5.47	0.58
	11/11/2014	6.05	8.38	3.21	5.17	0.88
	5/22/2014	6.05	8.38	3.21	5.17	0.88
	11/4/2014	6.05	8.38	3.24	5.14	0.91
	5/4/2015	6.05	8.38	2.14	6.24	-0.19
	11/2/2015	6.05	8.38	2.40	5.98	0.07
	5/2/2016	6.05	8.38	2.81	5.57	0.48
	12/27/2017	6.05	8.38	2.42	5.96	0.09
MW-F15	10/23/2000	10.61	10.70	4.94	5.76	4.85
	11/1/2000	10.61	10.70	5.11	5.59	5.02
	1/26/2011	10.61	10.70	4.38	6.32	4.29
	7/21/2011	9.87	9.79	4.43	5.36	4.51
	11/11/2013	9.87	9.79	4.65	5.14	4.73
	5/22/2014	9.87	9.79	4.55	5.24	4.63
	11/4/2014	9.87	9.79	5.04	4.75	5.12
	5/4/2015	9.87	9.79	4.35	5.44	4.43
	11/2/2015	9.87	9.79	4.32	5.47	4.40
	5/2/2016	9.87	9.79	4.66	5.13	4.74
	12/27/2017	9.87	9.79	4.13	5.66	4.21
MW-F16	10/23/2000	6.83	9.46	4.17	5.29	1.54
	11/1/2000	6.83	9.46	4.50	4.96	1.87
	7/1/2004	6.83	9.46	3.15	6.31	0.52
	1/26/2011	6.83	9.46	2.19	7.27	-0.44
	7/21/2011	6.03	8.51	2.73	5.78	0.25
	11/11/2013	6.03	8.51	4.06	4.45	1.58
	5/22/2014	6.03	8.51	3.44	5.07	0.96
	11/4/2014	6.03	8.51	5.35	3.16	2.87
	5/4/2015	6.03	8.51	2.20	6.31	-0.28
	11/2/2015	6.03	8.51	2.52	5.99	0.04
	5/2/2016	6.03	8.51	2.85	5.66	0.37
	12/27/2017	6.03	8.51	2.11	6.40	-0.37
MW-F17	10/23/2000	9.59	12.34	6.45	5.89	3.70
	11/1/2000	9.59	12.34	6.54	5.80	3.79
	1/26/2011	9.59	12.34	5.46	6.88	2.71
	7/21/2011	8.93	11.36	5.68	5.68	3.25
	11/11/2013	8.93	11.36	6.42	4.94	3.99
	5/22/2014	8.93	11.36	6.00	5.36	3.57
	11/4/2014	8.93	11.36	6.40	4.96	3.97
	5/4/2015	8.93	11.36	5.31	6.05	2.88
	11/2/2015	8.93	11.36	5.72	5.64	3.29
	5/2/2016	8.93	11.36	5.77	5.59	3.34
	12/27/2017	8.93	11.36	5.51	5.85	3.08

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-F19	10/23/2000	8.60	11.46	5.17	6.29	2.31
	11/1/2000	8.60	11.46	5.50	5.96	2.64
	6/30/2004	8.60	11.46	4.59	6.87	1.73
	1/26/2011	8.60	11.46	4.61	6.85	1.75
	7/21/2011	7.68	10.47	4.75	5.72	1.96
	11/11/2013	7.68	10.47	5.38	5.09	2.59
	5/22/2014	7.68	10.47	4.62	5.85	1.83
	11/4/2014	7.68	10.47	5.28	5.19	2.49
	5/4/2015	7.68	10.47	3.75	6.72	0.96
	11/2/2015	7.68	10.47	5.05	5.42	2.26
	5/2/2016	7.68	10.47	4.42	6.05	1.63
	12/27/2017	7.68	10.47	4.18	6.29	1.39
MW-F20	11/1/2000	10.07	9.89	3.90	5.99	4.08
	8/17/2006	10.07	9.89	3.71	6.18	3.89
	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
	8/16/2006	11.11	13.54	6.27	7.27	3.84
	7/30/2008	11.11	13.54	5.94	7.60	3.51
	11/19/2008	11.11	13.54	5.67	7.87	3.24
	1/26/2011	11.11	13.54	5.77	7.77	3.34
	7/21/2011	9.96	12.46	5.68	6.78	3.18
	11/11/2013	9.96	12.46	7.08	5.38	4.58
	5/22/2014	9.96	12.46	6.27	6.19	3.77
	11/4/2014	9.96	12.46	6.82	5.64	4.32
	5/4/2015	9.96	12.46	5.51	6.95	3.01
	11/2/2015	9.96	12.46	6.89	5.57	4.39
	5/2/2016	9.96	12.46	5.98	6.48	3.48
	12/27/2017	9.96	12.46	5.90	6.56	3.40
MW-22	7/1/2004	8.69	7.80	3.15	4.65	4.04
	1/26/2011	8.69	7.80	2.24	5.56	3.13
	7/21/2011	7.36	10.06	2.90	7.16	0.20
	11/11/2013	7.36	10.06	9.35	0.71	6.65
	5/22/2014	7.36	10.06	3.60	6.46	0.90
	11/4/2014	7.36	10.06	3.97	6.09	1.27
	5/4/2015	7.36	10.06	2.23	7.83	-0.47
	11/2/2015	7.36	10.06	3.10	6.96	0.40
	5/2/2016	7.36	10.06	5.21	4.85	2.51
	12/27/2017	7.36	10.06	2.67	7.39	-0.03
MW-23	7/1/2004	7.31	9.64	6.30	3.34	3.97
	1/26/2011	7.31	9.64	5.70	3.94	3.37
	7/21/2011	7.08	9.40	6.12	3.28	3.80
	11/11/2013	7.08	9.40	6.89	2.51	4.57
	5/22/2014	7.08	9.40	7.40	2.00	5.08
	11/4/2014	7.08	9.40	8.03	1.37	5.71
	5/4/2015	7.08	9.40	6.61	2.79	4.29
	11/2/2015	7.08	9.40	5.66	3.74	3.34
	5/2/2016	7.08	9.40	5.62	3.78	3.30
	12/27/2017	7.08	9.40	5.82	3.58	3.50

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-24	6/30/2004	8.02	10.52	4.80	5.72	2.30
	1/26/2011	8.02	10.52	4.62	5.90	2.12
	7/21/2011	7.71	10.23	4.85	5.38	2.33
	11/11/2013	7.71	10.23	5.55	4.68	3.03
	5/22/2014	7.71	10.23	4.67	5.56	2.15
	11/4/2014	7.71	10.23	5.26	4.97	2.74
	5/4/2015	7.71	10.23	3.70	6.53	1.18
	11/2/2015	7.71	10.23	4.69	5.54	2.17
	5/2/2016	7.71	10.23	4.80	5.43	2.28
	12/27/2017	7.71	10.23	4.38	5.85	1.86
MW-25	7/1/2004	10.99	13.17	7.10	6.07	4.92
	1/26/2011	10.99	13.17	5.76	7.41	3.58
	7/21/2011	10.32	12.72	6.63	6.09	4.23
	11/11/2013	10.32	12.72	6.51	6.21	4.11
	5/22/2014	10.32	12.72	5.75	6.97	3.35
	11/4/2014	10.32	12.72	5.13	7.59	2.73
	5/4/2015	10.32	12.72	4.80	7.92	2.40
	11/2/2015	10.32	12.72	5.62	7.10	3.22
	5/2/2016	10.32	12.72	5.56	7.16	3.16
	12/27/2017	10.32	12.72	5.30	7.42	2.90
MW-26	1/26/2011	13.40	15.98	7.81	8.17	5.23
	7/21/2011	13.69	15.69	7.73	7.96	5.73
	12/27/2017	13.69	15.69	8.45	7.24	6.45
MW-27	8/16/2006	11.39	10.52	2.85	7.67	3.72
	11/19/2008	11.39	10.52	1.58	8.94	2.45
	1/26/2011	11.39	10.52	1.41	9.11	2.28
	7/21/2011	10.36	10.23	2.02	8.21	2.15
	11/11/2013	10.36	10.23	3.39	6.84	3.52
	5/22/2014	10.36	10.23	2.44	7.79	2.57
	11/4/2014	10.36	10.23	3.05	7.18	3.18
	5/4/2015	10.36	10.23	1.25	8.98	1.38
	11/2/2015	10.36	10.23	2.34	7.89	2.47
	5/2/2016	10.36	10.23	2.36	7.87	2.49
	12/27/2017	10.36	10.23	2.13	8.10	2.26
MW-28	1/26/2011	7.90	10.80	6.15	4.65	3.25
	7/21/2011	7.60	10.50	6.96	3.54	4.06
	11/11/2013	7.60	10.50	7.75	2.75	4.85
	5/2/2016	7.60	10.50	6.23	4.27	3.33
MW-29	11/19/2008	10.65	13.85	4.22	9.63	1.02
	1/26/2011	10.65	13.85	4.38	9.47	1.18
	7/21/2011	9.58	12.80	4.77	8.03	1.55
	11/11/2013	9.58	12.80	6.04	6.76	2.82
	5/22/2014	9.58	12.80	5.25	7.55	2.03
	11/4/2014	9.58	12.80	5.73	7.07	2.51
	5/4/2015	9.58	12.80	4.20	8.60	0.98
	11/2/2015	9.58	12.80	5.09	7.71	1.87
	5/2/2016	9.58	12.80	5.14	7.66	1.92
	12/27/2017	9.58	12.80	4.90	7.90	1.68

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-32	11/19/2008	5.72	7.90	2.87	5.03	0.69
	1/26/2011	5.72	7.90	2.55	5.35	0.37
	7/21/2011	5.30	7.05	3.19	3.86	1.44
	11/11/2013	5.30	7.05	4.81	2.24	3.06
	5/22/2014	5.30	7.05	4.50	2.55	2.75
	11/4/2014	5.30	7.05	4.59	2.46	2.84
	5/5/2015	5.30	7.05	3.00	4.05	1.25
	11/2/2015	5.30	7.05	3.45	3.60	1.70
	5/2/2016	5.30	7.05	3.64	3.41	1.89
	12/27/2017	5.30	7.05	2.63	4.42	0.88
MWD-F1	10/23/2000	7.99	10.39	49.58	-39.19	47.18
	11/1/2000	7.99	10.39	41.98	-31.59	39.58
	6/30/2004	7.99	10.39	36.06	-25.67	33.66
	1/26/2011	7.99	10.39	33.00	-22.61	30.60
	7/21/2011	6.92	9.25	33.50	-24.25	31.17
	11/11/2013	6.92	9.25	31.82	-22.57	29.49
	5/22/2014	6.92	9.25	31.28	-22.03	28.95
	11/4/2014	6.92	9.25	31.14	-21.89	28.81
	5/4/2015	6.92	9.25	30.36	-21.11	28.03
	11/2/2015	6.92	9.25	30.11	-20.86	27.78
	5/2/2016	6.92	9.25	29.72	-20.47	27.39
	12/27/2017	6.92	9.25	29.92	-20.67	27.59
MWD-F2	10/23/2000	8.70	11.50	33.09	-21.59	30.29
	11/1/2000	8.70	11.50	28.30	-16.80	25.50
	6/30/2004	8.70	11.50	25.19	-13.69	22.39
	1/26/2011	8.70	11.50	23.40	-11.90	20.60
	7/21/2011	7.80	10.52	23.00	-12.48	20.28
	11/11/2013	7.80	10.52	22.45	-11.93	19.73
	5/22/2014	7.80	10.52	21.81	-11.29	19.09
	11/4/2014	7.80	10.52	22.06	-11.54	19.34
	5/4/2015	7.80	10.52	8.45	2.07	5.73
	11/2/2015	7.80	10.52	21.11	-10.59	18.39
	5/2/2016	7.80	10.52	20.80	-10.28	18.08
	12/27/2017	7.80	10.52	21.14	-10.62	18.42
MWD-F3	10/23/2000	9.58	12.21	23.78	-11.57	21.15
	11/1/2000	9.58	12.21	21.87	-9.66	19.24
	1/26/2011	9.58	12.21	18.65	-6.44	16.02
	7/21/2011	8.77	11.23	18.55	-7.32	16.09
	11/11/2013	8.77	11.23	18.11	-6.88	15.65
	5/22/2014	8.77	11.23	17.52	-6.29	15.06
	11/4/2014	8.77	11.23	17.63	-6.40	15.17
	5/4/2015	8.77	11.23	16.95	-5.72	14.49
	11/2/2015	8.77	11.23	16.95	-5.72	14.49
	5/2/2016	8.77	11.23	17.06	-5.83	14.60
	12/27/2017	8.77	11.23	16.96	-5.73	14.50

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)
MWD-22	7/1/2004	7.80	10.15	3.43	6.72	1.08
	1/26/2011	7.80	10.15	2.56	7.59	0.21
	7/21/2011	7.71	10.05	3.26	6.79	0.92
	11/11/2013	7.71	10.05	4.55	5.50	2.21
	5/22/2014	7.71	10.05	2.91	7.14	0.57
	11/4/2014	7.71	10.05	4.22	5.83	1.88
	5/4/2015	7.71	10.05	2.52	7.53	0.18
	11/2/2015	7.71	10.05	4.30	5.75	1.96
	5/22/2016	7.71	10.05	3.51	6.54	1.17
	12/27/2017	7.71	10.05	2.97	7.08	0.63
MWD-23	6/30/2004	7.13	9.46	7.10	2.36	4.77
	1/26/2011	7.13	9.46	6.60	2.86	4.27
	7/21/2011	6.83	9.27	7.04	2.23	4.60
	11/11/2013	6.83	9.27	8.23	1.04	5.79
	5/22/2014	6.83	9.27	6.17	3.10	3.73
	11/4/2014	6.83	9.27	8.05	1.22	5.61
	5/4/2015	6.83	9.27	5.65	3.62	3.21
	11/2/2015	6.83	9.27	7.29	1.98	4.85
	5/2/2016	6.83	9.27	7.13	2.14	4.69
	12/27/2017	6.83	9.27	6.99	2.28	4.55
MWD-24	1/26/2011	8.05	10.60	4.47	6.13	1.92
	7/21/2011	7.67	10.34	4.69	5.65	2.02
	11/11/2013	7.67	10.34	5.49	4.85	2.82
	5/22/2014	7.67	10.34	4.96	5.38	2.29
	11/4/2014	7.67	10.34	5.40	4.94	2.73
	5/4/2015	7.67	10.34	4.02	6.32	1.35
	11/2/2015	7.67	10.34	4.53	5.81	1.86
	5/2/2016	7.67	10.34	4.56	5.78	1.89
	12/27/2017	7.67	10.34	4.19	6.15	1.52
MWD-25	7/1/2004	10.89	8.11	6.05	2.06	8.83
	1/26/2011	10.89	8.11	5.44	2.67	8.22
	7/21/2011	10.26	12.58	5.64	6.94	3.32
	11/11/2013	10.26	12.58	7.35	5.23	5.03
	5/22/2014	10.26	12.58	6.57	6.01	4.25
	11/4/2014	10.26	12.58	6.25	6.33	3.93
	5/4/2015	10.26	12.58	5.16	7.42	2.84
	11/2/2015	10.26	12.58	6.09	6.49	3.77
	5/2/2016	10.26	12.58	6.26	6.32	3.94
	12/27/2017	10.26	12.58	5.17	7.41	2.85
MWD-27	8/16/2006	NM	10.40	3.74	6.66	NM
	1/26/2011	NM	10.40	2.55	7.85	NM
	7/21/2011	10.25	10.09	3.00	7.09	3.16
	11/11/2013	10.25	10.09	4.23	5.86	4.39
	5/22/2014	10.25	10.09	3.40	6.69	3.56
	11/4/2014	10.25	10.09	4.60	5.49	4.76
	5/4/2015	10.25	10.09	2.40	7.69	2.56
	11/2/2015	10.25	10.09	3.22	6.87	3.38
	5/2/2016	10.25	10.09	3.21	6.88	3.37
	12/27/2017	10.25	10.09	2.90	7.19	3.06

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)
MWD-28	7/1/2004	8.22	11.09	6.60	4.49	3.73
	1/26/2011	8.22	11.09	5.15	5.94	2.28
	7/21/2011	7.27	10.66	5.54	5.12	2.15
	5/22/2014	7.27	10.66	11.01	-0.35	7.62
	11/4/2014	7.27	10.66	7.59	3.07	4.20
	5/4/2015	7.27	10.66	6.12	4.54	2.73
	11/2/2015	7.27	10.66	6.84	3.82	3.45
MWD-29	11/19/2008	10.65	14.59	6.48	8.11	2.54
	1/26/2011	10.65	14.59	6.22	8.37	2.28
	7/21/2011	9.51	13.56	6.72	6.84	2.67
	11/11/2013	9.51	13.56	8.13	5.43	4.08
	5/22/2014	9.51	13.56	7.14	6.42	3.09
	11/4/2014	9.51	13.56	4.77	8.79	0.72
	5/4/2015	9.51	13.56	6.13	7.43	2.08
	11/2/2015	9.51	13.56	6.92	6.64	2.87
	5/2/2016	9.51	13.56	6.92	6.64	2.87
	12/27/2017	9.51	13.56	6.59	6.97	2.54
MWD-30	11/19/2008	11.11	14.48	7.75	6.73	4.38
	1/26/2011	11.11	14.48	7.85	6.63	4.48
	7/21/2011	10.06	13.41	8.11	5.30	4.76
	11/11/2013	10.06	13.41	9.21	4.20	5.86
	5/22/2014	10.06	13.41	8.48	4.93	5.13
	11/4/2014	10.06	13.41	9.56	3.85	6.21
	5/4/2015	10.06	13.41	7.60	5.81	4.25
	11/2/2015	10.06	13.41	8.34	5.07	4.99
	5/2/2016	10.06	13.41	8.29	5.12	4.94
	12/27/2017	10.06	13.41	7.96	5.45	4.61

Acronyms:
amsl = above mean sea level
ft bgs = feet below ground surface
btoc = below top of casing
ID = identification
NM = not measured

APPENDIX C

Hydraulic Testing – 2014

Table 1
Hydraulic Slug Test Summary
Ashland - Hercules
3000 Louisville Road
Savannah, Georgia

Well/Test ID	HSU	Primary K Result (ft/day)		Well Average
MW-22_1	Shallow	**9.8E-01**	**Bouwer-Rice (1976)**	1.5E+00
MW-22_2	Shallow	**2.1E+00**	**Bouwer-Rice (1976)**	
MW-24_1	Shallow	**8.3E-01**	**Bouwer-Rice (1976)**	8.3E-01
MWD-22_1	Intermediate	**3.9E-01**	**Bouwer-Rice (1976)**	3.9E-01
MWD-24_1	Intermediate	**9.6E-02**	**Bouwer-Rice (1976)**	9.6E-02
MWD-29_1	Intermediate	**6.0E-02**	**Bouwer-Rice (1976)**	6.0E-02
MWD-F3_1	Deep	**8.1E-03**	**Bouwer-Rice (1976)**	8.1E-03
MW-F1_1	Shallow	**9.2E-01**	**Bouwer-Rice (1976)**	9.3E-01
MW-F1_2	Shallow	**9.3E-01**	**Bouwer-Rice (1976)**	
MW-F9_1	Shallow	**7.2E-01**	**Bouwer-Rice (1976)**	7.2E-01
MW-F13_1	Shallow	**3.3E-02**	**Dagan (1978)**	3.3E-02
MW-F15_1	Shallow	**3.6E-01**	**Bouwer-Rice (1976)**	3.6E-01

Shallow (7 wells)

Range (ft/day)	3.3E-02 to	1.5E+00
Geometric Mean (ft/day)		4.7E-01

Intermediate (3 wells)

Range (ft/day)	9.60E-02 to	3.9E-01
Geometric Mean (ft/day)		1.3E-01

Deep (1 well)

Range (ft/day)	8.1E-03

Acronyms and Abbreviations:

ft/day = feet per day

HSU = hydrostratigraphic unit

ID = identification

K = hydraulic conductivity

References:

Bouwer, H. and R.C. Rice. 1976. A Slug Test for Determining Hydraulic Conductivity of Unconfined Aquifers with Completely or Partially Penetrating Wells, Water Resources Research, vol. 12, no. 3, pp. 423-428. June.

Dagan, G. 1978. A note on packer, slug, and recovery tests in unconfined aquifers, Water Resources Research, vol. 14, no. 5. pp. 929-934.

Table 2
Hydraulic Slug Calculations
Ashland - Hercules
3000 Louisville Road
Savannah, Georgia

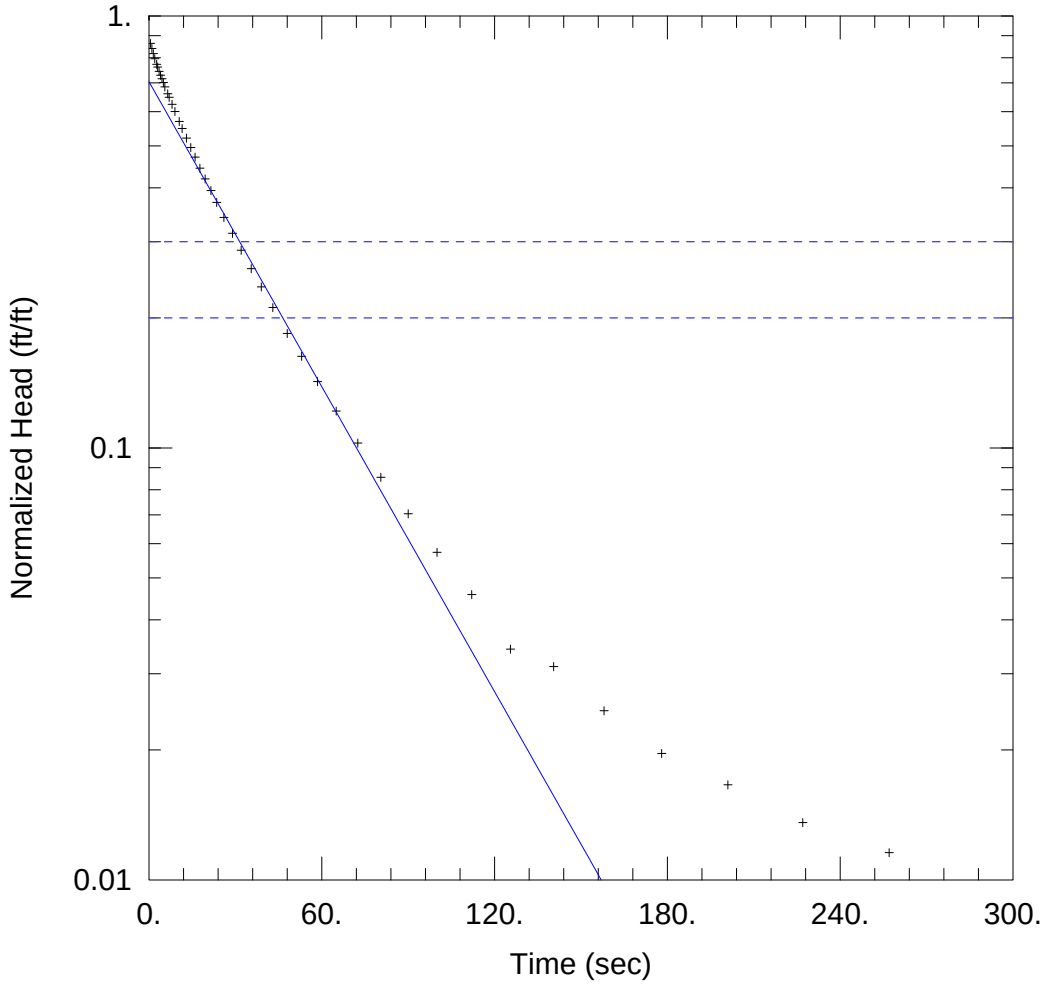
Well/Test ID	Screened Interval	HSU	Test #	H(o)*	H(o)	H(o)/H(o)* difference (ft)		H	b		Kv/Kh	d	L		T	r(c)	r(eq)	r(p)	r(w)	r(sk)	Effective Casing Radius Correction	Frictional Well Loss Correction	S Cooper (1967)		Ss KGS (1994)		K1 (ft/d)		K2 (ft/d)		K3 (ft/d)	
MW-22	10-20	Shallow	1	1.605	1.988	0.383	~20%	17.88	85	Water table to confining layer	1	7.88	10	Entire Screen Length	14.88	0.086	0.011	0	0.354	0.354	Yes, Butler (1998) eq (3.1)	Yes, default	6.8E-04	Plausible	--	--	**9.8E-01**	**Bouwer-Rice (1976)**	1.3E+00	Hvorslev (1951)		
MW-22	10-20	Shallow	2	1.605	1.697	0.092	<10%	17.88	85	Water table to confining layer	1	7.88	10	Entire Screen Length	14.88	0.086	0.011	0	0.354	0.354	No	Yes, default	5.6E-06	Plausible	--	--	**2.1E+00**	**Bouwer-Rice (1976)**	3.0E+00	Hvorslev (1951)		
MW-24	10-20	Shallow	1	1.605	1.734	0.129	<10%	18.56	85	Water table to confining layer	1	8.56	10	Entire Screen Length	14.92	0.086	0.011	0	0.354	0.354	No	Yes, default	3.1E-05	Plausible	--	--	**8.3E-01**	**Bouwer-Rice (1976)**	1.2E+00	Hvorslev (1951)		
MWD-22	40-50	Intermediate	1	1.605	1.607	0.002	<10%	38.81	85	Water table to confining layer	1	28.81	10	Entire Screen Length	14.94	0.086	0.011	0	0.354	0.354	No	Yes, default	4.1E-07	Implausibly Low	8.9E-06	Plausible	**3.9E-01**	**Bouwer-Rice (1976)**	4.7E-01	Hvorslev (1951)		
MWD-24	40-50	Intermediate	1	1.605	1.861	0.256	~20%	42.59	85	Water table to confining layer	1	32.59	10	Entire Screen Length	14.75	0.086	0.011	0	0.354	0.354	Yes, Butler (1998) eq (3.1)	Yes, default	1.2E-06	Plausible	--	--	**9.6E-02**	**Bouwer-Rice (1976)**	1.2E-01	Hvorslev (1951)		
MWD-29	40-50	Intermediate	1	1.605	1.884	0.279	15-20%	44.11	85	Water table to confining layer	1	34.11	10	Entire Screen Length	14.86	0.086	0.011	0	0.354	0.354	Yes, Butler (1998) eq (3.1)	Yes, default	3.2E-06	Plausible	--	--	**6.0E-02**	**Bouwer-Rice (1976)**	7.7E-02	Hvorslev (1951)		
MWD-F3	67-87	Deep	1	1.605	1.864	0.259	10-15%	74.01	85	Water table to confining layer	1	54.01	20	Entire Screen Length	14.86	0.086	0.011	0	0.354	0.354	Yes, Butler (1998) eq (3.1)	Yes, default	2.6E-06	Plausible	--	--	**8.1E-03**	**Bouwer-Rice (1976)**	8.8E-03	Hvorslev (1951)		
MW-F1	10-20	Shallow	1	1.605	1.721	0.116	<10%	18.21	85	Water table to confining layer	1	8.21	10	Entire Screen Length	14.90	0.086	0.011	0	0.354	0.354	No	Yes, default	2.0E-04	Plausible	--	--	**9.2E-01**	**Bouwer-Rice (1976)**	1.3E+00	Hvorslev (1951)		
MW-F1	10-20	Shallow	2	1.605	1.597	-0.008	<10%	18.21	85	Water table to confining layer	1	8.21	10	Entire Screen Length	14.90	0.086	0.011	0	0.354	0.354	No	Yes, default	4.3E-07	Implausibly Low	7.7E-06	Plausible	**9.3E-01**	**Bouwer-Rice (1976)**	1.3E+00	Hvorslev (1951)		
MW-F9	10-20	Shallow	1	1.605	1.731	0.126	<10%	15.72	85	Water table to confining layer	1	5.72	10	Entire Screen Length	14.89	0.086	0.011	0	0.354	0.354	No	Yes, default	3.8E-08	Implausibly Low	4.2E-06	Plausible	**7.2E-01**	**Bouwer-Rice (1976)**	1.1E+00	Hvorslev (1951)		
MW-F13	10-20	Shallow	1	1.605	1.27	-0.335	~20%	12.03	85	Water table to confining layer	1	2.03	10	Entire Screen Length	8.97	0.086	0.011	0	0.354	0.354	Yes, Butler (1998) eq (3.1)	Yes, default	4.7E-02	Plausible	--	--	**3.3E-02**	**Dagan (1978)**	3.4E-02	Hvorslev (1951)	3.4E-02	Bouwer-Rice (1976)
MW-F15	10-20	Shallow	1	1.605	1.408	-0.197	10-15%	16.81	85	Water table to confining layer	1	6.81	10	Entire Screen Length	9.86	0.086	0.011	0	0.354	0.354	Yes, Butler (1998) eq (3.1)	Yes, default	7.2E-05	Plausible	--	--	**3.6E-01**	**Bouwer-Rice (1976)**	4.8E-01	Hvorslev (1951)		

Acronyms and Abbreviations:

HSU	Hydrostratigraphic Unit
H(o)	Measured initial displacement
H(o)*	Theoretical/expected initial displacement; the expected displacement based on the volume of the slug/bailer and inner diameter of the well.
H	Static water column height
b	Saturated aquifer thickness
Kv/Kh	Vertical-to-horizontal hydrualic conductivity anisotropy.
d	Depth to top of well screen from static water level or aquifer top
L	Effective length of well screen
T	Transducer depth
r(c)	Inside radius of well casing; 0.086 ft for a 2-inch Schedule 40 PVC well casing.
r(eq)	Radius of downhole equipment. The measured diameter of the transducer cable is 0.011 ft.
r(p)	Inside radius of packer (0 if none present)
r(w)	Effective radius of well. If the well is constructed with a filter pack, r(w) is best represented by the borehole diameter. A borehole drilled with a 4.25-inch ID hollow-stem auger has an approximate borehole diamter of 0.354 ft.
r(sk)	Outer radius of well skin (disturbed zone enveloping filter pack). If it is assumed that no skin is present, then this value should be equal to r(w)
S	Storativity. Calculation of storativity using the Cooper et al. (1967) is used as a diagnostic tool. If a type curve with a plausible S ($\geq 10^{-7}$) can be fit to the data, then one can assume the vertical componnent of hydraulic conductivity is is much less than the radial component, i.e. flow is constrained to the interval of the formation intersected by the screen.
Ss	Specific storage. Calculation of Ss using the KGS Model (1994) is used as a diagnostic tool to evaluate potential well skin effects. If a type curve with plausible Ss ($\geq 10^{-6}$) can be fit to the data than one can assume that skin effects will not have a major impact on the analysis.
K	Hydraulic conductivity

References:

Bouwer, H. and R.C. Rice. 1976. A Slug Test for Determining Hydraulic Conductivity of Unconfined Aquifers with Completely or Partially Penetrating Wells, Water Resources Research, vol. 12, no. 3, pp. 423-428. June.
Butler, J.J., Jr. 1998. The Design, Performance, and Analysis of Slug Tests, Lewis Publishers, New York, 252p.
Dagan, G. 1978. A note on packer, slug, and recovery tests in unconfined aquifers, Water Resources Research, vol. 14, no. 5. pp. 929-934.
Hvorslev, M.J. 1951. Time Lag and Soil Permeability in Ground-Water Observations, Bull. No. 36, Waterways Exper. Sta. Corps of Engrs, U.S. Army, Vicksburg, Mississippi, pp. 1-50.



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MW-22_\MW-22_1.aqt
Date: 09/16/14 Time: 09:46:00

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MW-22

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

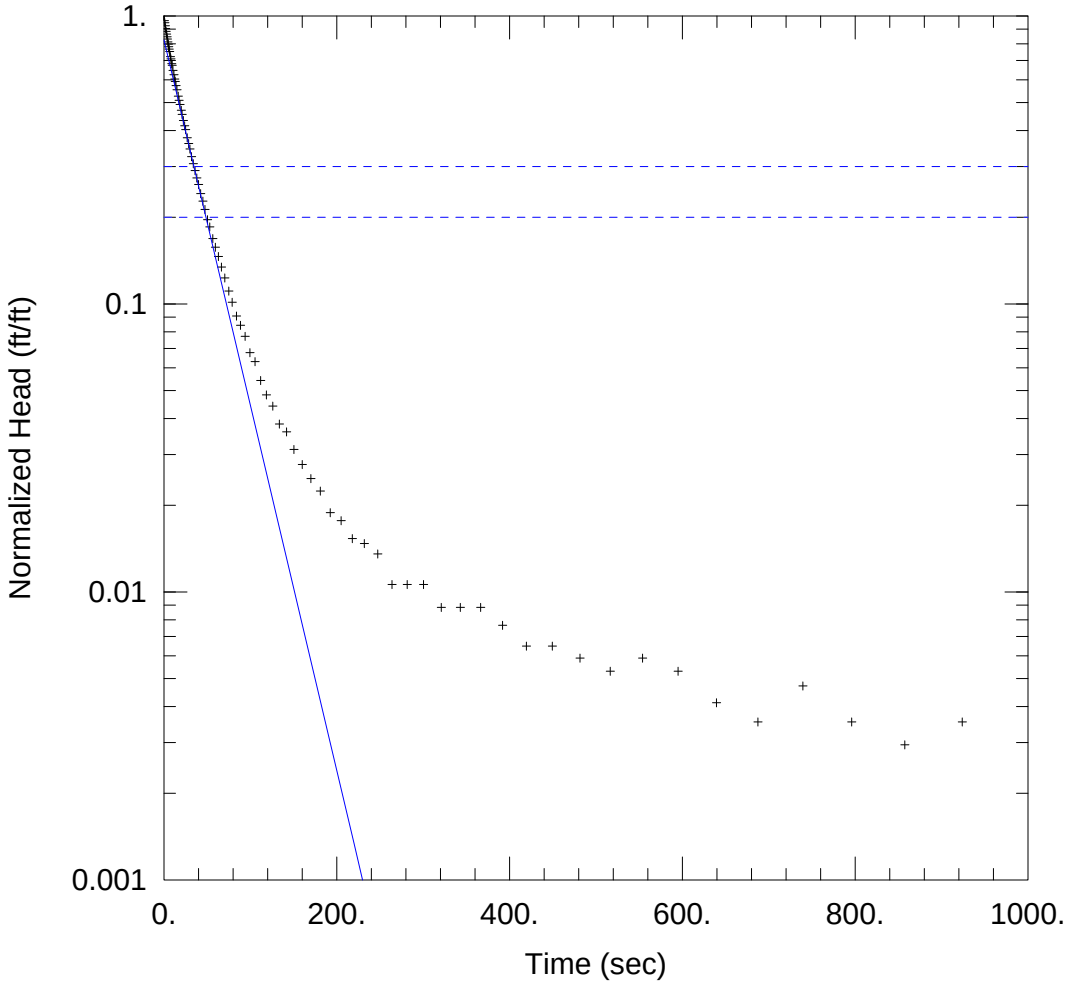
WELL DATA (MW-22)

Initial Displacement: 1.988 ft
Total Well Penetration Depth: 17.88 ft
Casing Radius: 0.086 ft
Static Water Column Height: 17.88 ft
Screen Length: 10. ft
Well Radius: 0.354 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.98 ft/day
y0 = 1.4 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MW-22_\MW-22_2.aqt
Date: 09/16/14 Time: 09:47:06

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MW-22

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

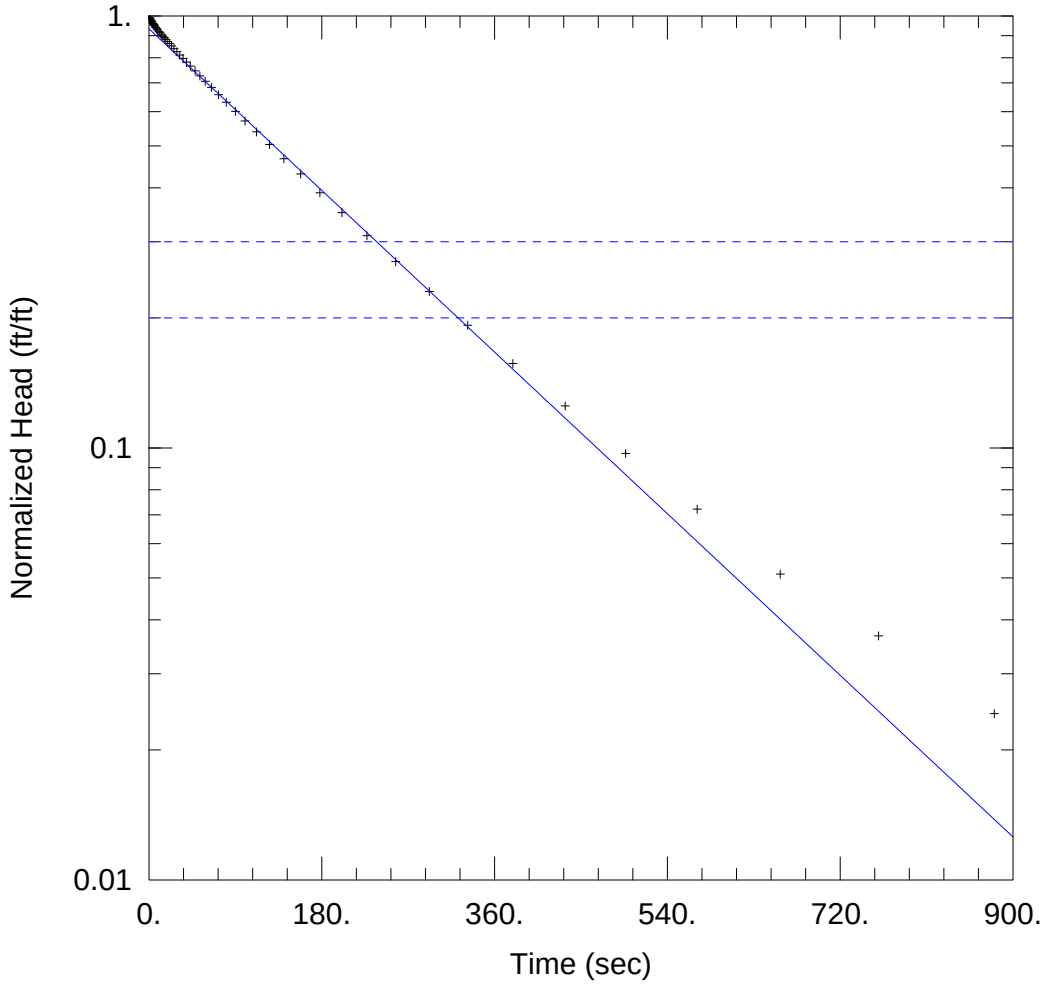
WELL DATA (MW-22)

Initial Displacement: 1.697 ft
Static Water Column Height: 17.88 ft
Total Well Penetration Depth: 17.88 ft
Screen Length: 10. ft
Casing Radius: 0.086 ft
Well Radius: 0.354 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 2.1 ft/day
y0 = 1.4 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MWD-22_\MWD-22_1.aqt
Date: 09/16/14 Time: 09:49:23

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MWD-22

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

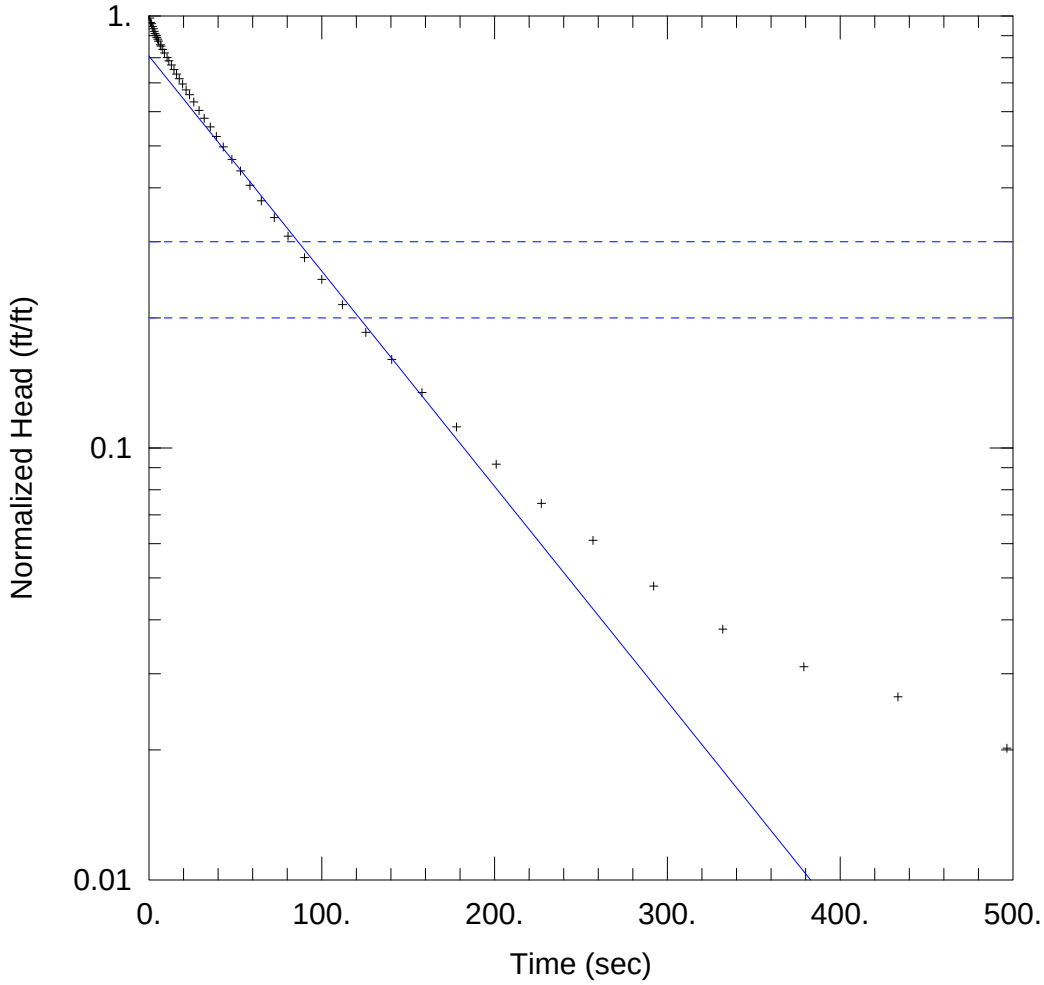
WELL DATA (MWD-22)

Initial Displacement: 1.607 ft
Static Water Column Height: 38.81 ft
Total Well Penetration Depth: 38.81 ft
Screen Length: 10. ft
Casing Radius: 0.086 ft
Well Radius: 0.354 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.39 ft/day
y0 = 1.5 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MW-24_\MW-24_1.aqt
Date: 09/16/14 Time: 09:48:49

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MW-24

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

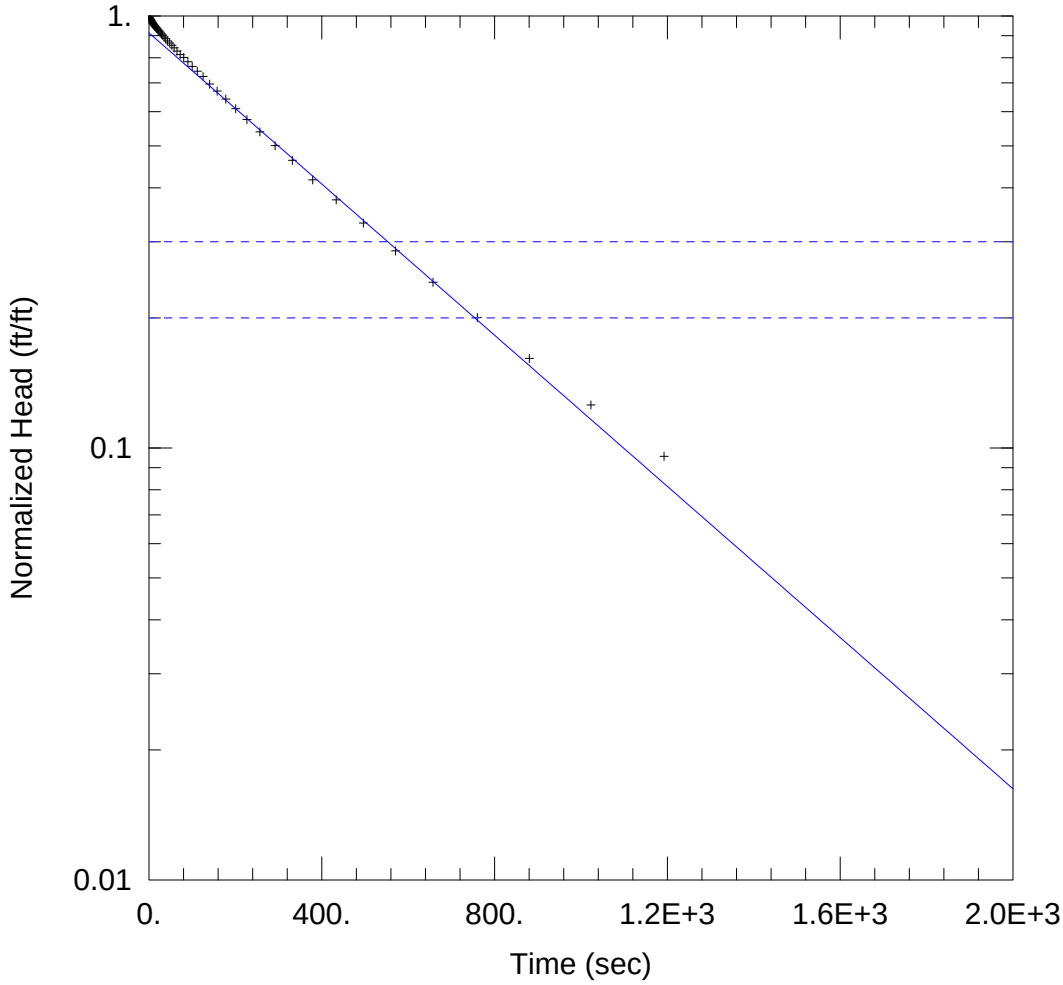
WELL DATA (MW-24)

Initial Displacement: 1.734 ft
Static Water Column Height: 18.56 ft
Total Well Penetration Depth: 18.56 ft
Screen Length: 10. ft
Casing Radius: 0.086 ft
Well Radius: 0.354 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.83 ft/day
y0 = 1.4 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MWD-24_\MWD-24_1.aqt
Date: 09/16/14 Time: 09:51:28

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MWD-24

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

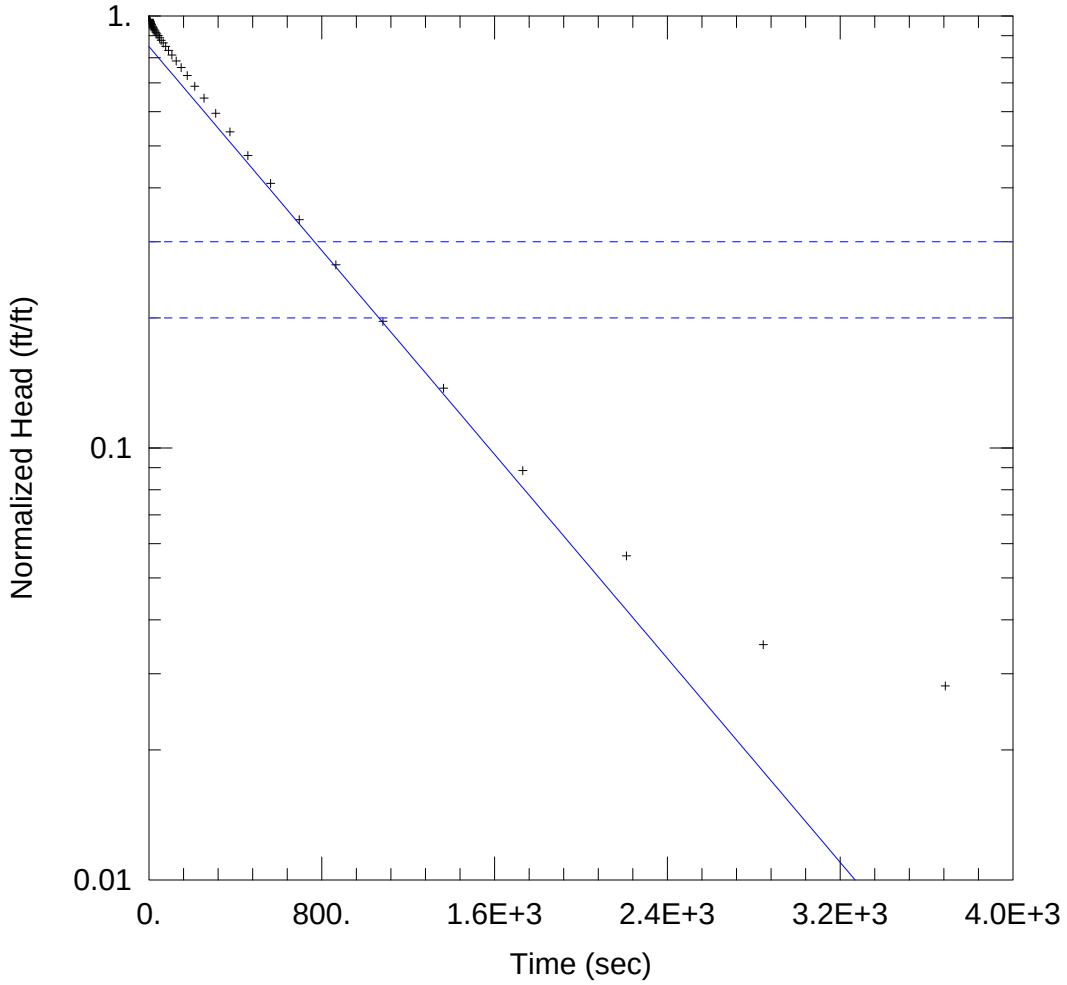
WELL DATA (MWD-24)

Initial Displacement: 1.861 ft
Total Well Penetration Depth: 42.59 ft
Casing Radius: 0.089 ft
Static Water Column Height: 42.59 ft
Screen Length: 10. ft
Well Radius: 0.354 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.096 ft/day
y0 = 1.7 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MWD-29_\MWD-29_1.aqt
Date: 09/16/14 Time: 09:53:10

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MWD-29

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

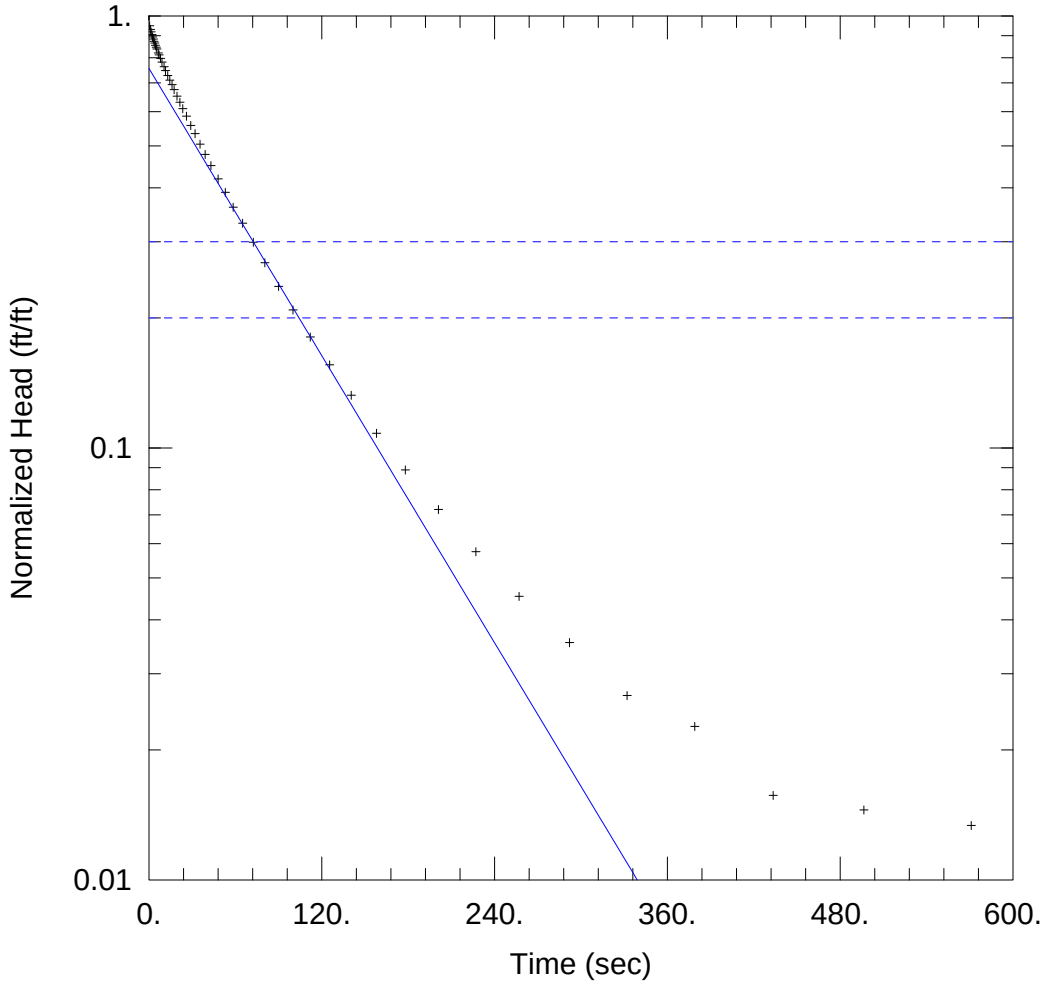
WELL DATA (MWD-29)

Initial Displacement: 1.884 ft
Total Well Penetration Depth: 44.11 ft
Casing Radius: 0.086 ft
Static Water Column Height: 44.11 ft
Screen Length: 10. ft
Well Radius: 0.354 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.06 ft/day
y0 = 1.6 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MW-F1_\MW-F1_1.aqt
Date: 09/16/14 Time: 09:55:42

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MW-F1

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

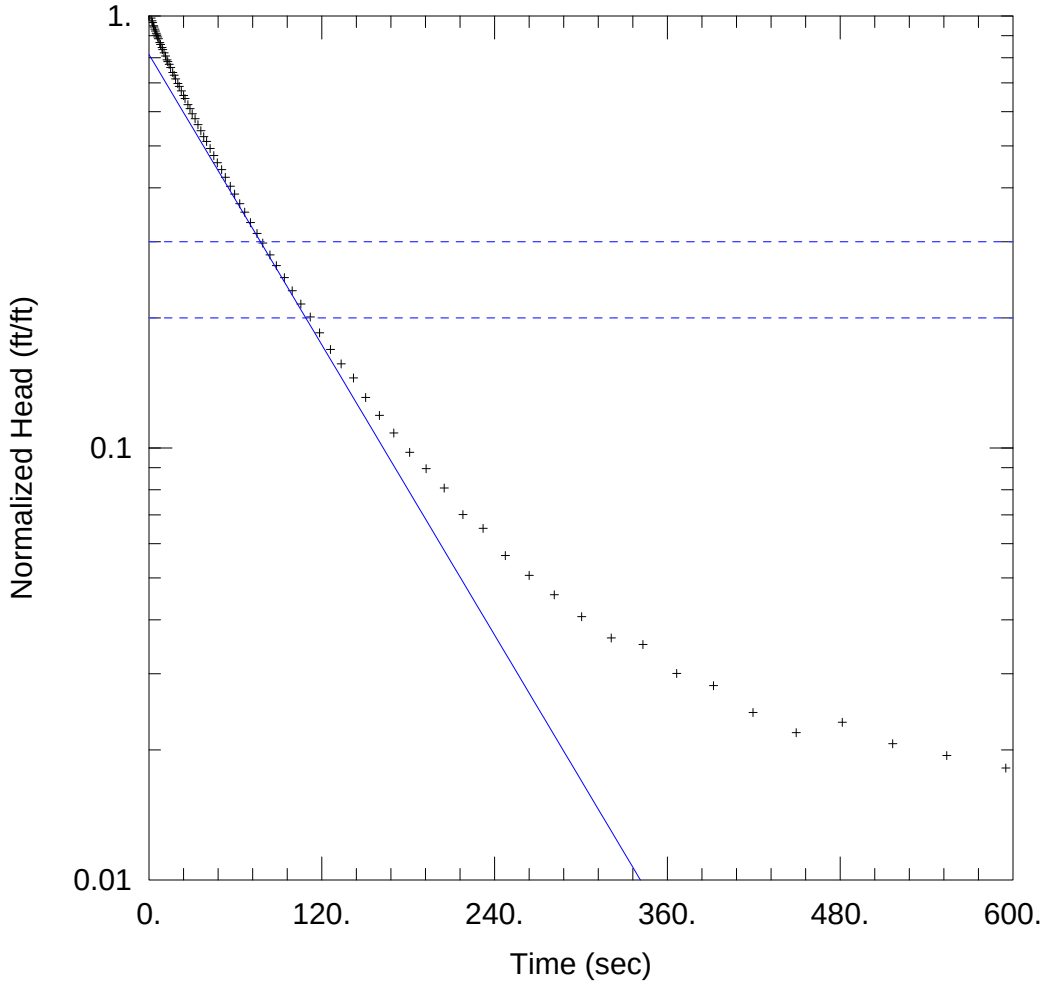
WELL DATA (MW-F1)

Initial Displacement: 1.721 ft
Total Well Penetration Depth: 18.21 ft
Casing Radius: 0.086 ft
Static Water Column Height: 18.21 ft
Screen Length: 10. ft
Well Radius: 0.354 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.92 ft/day
y0 = 1.3 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MW-F1_\MW-F1_2.aqt
Date: 09/16/14 Time: 09:56:36

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MW-F1

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

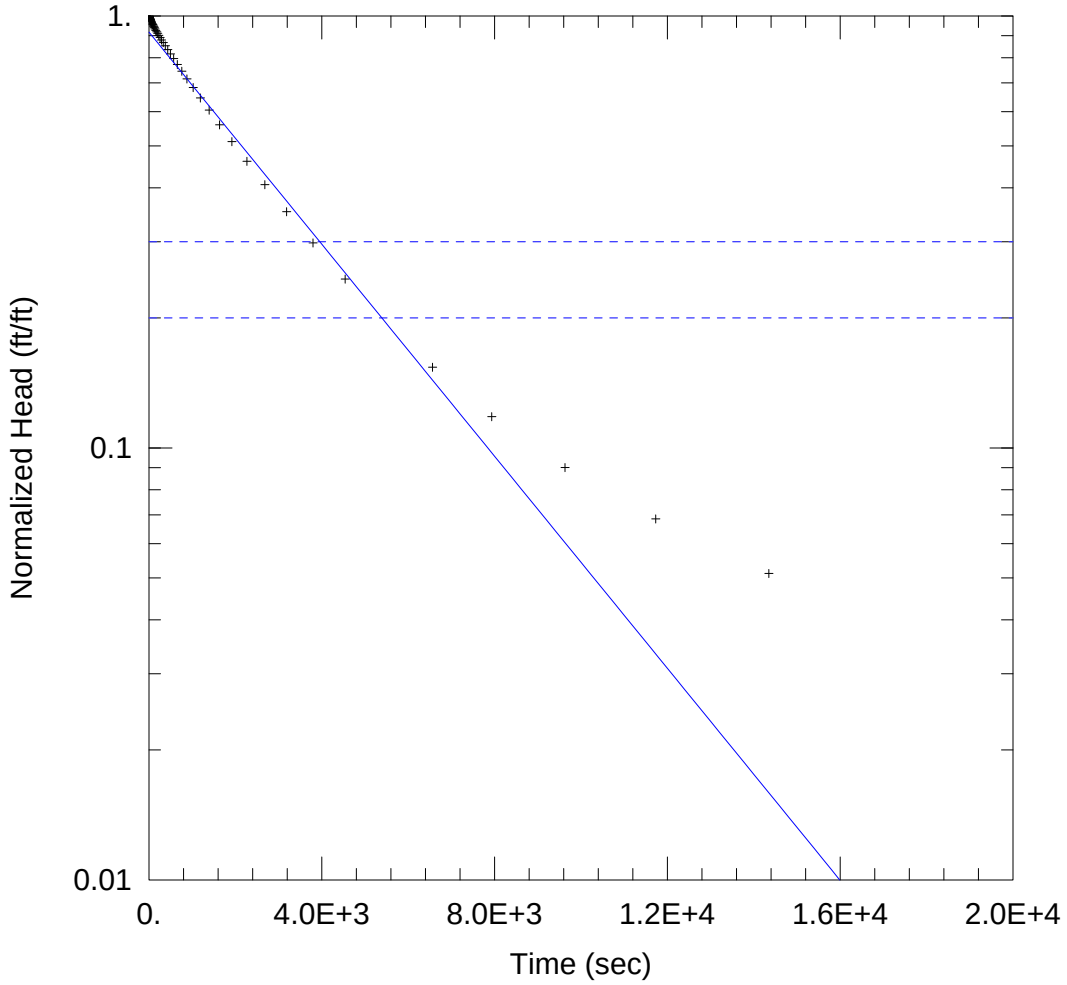
WELL DATA (MW-F1)

Initial Displacement: 1.597 ft
Static Water Column Height: 18.21 ft
Total Well Penetration Depth: 18.21 ft
Screen Length: 10. ft
Casing Radius: 0.086 ft
Well Radius: 0.354 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.93 ft/day
y0 = 1.3 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MWD-F3_\MWD-F3_1.aqt
Date: 09/16/14 Time: 09:54:38

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MWD-F3

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

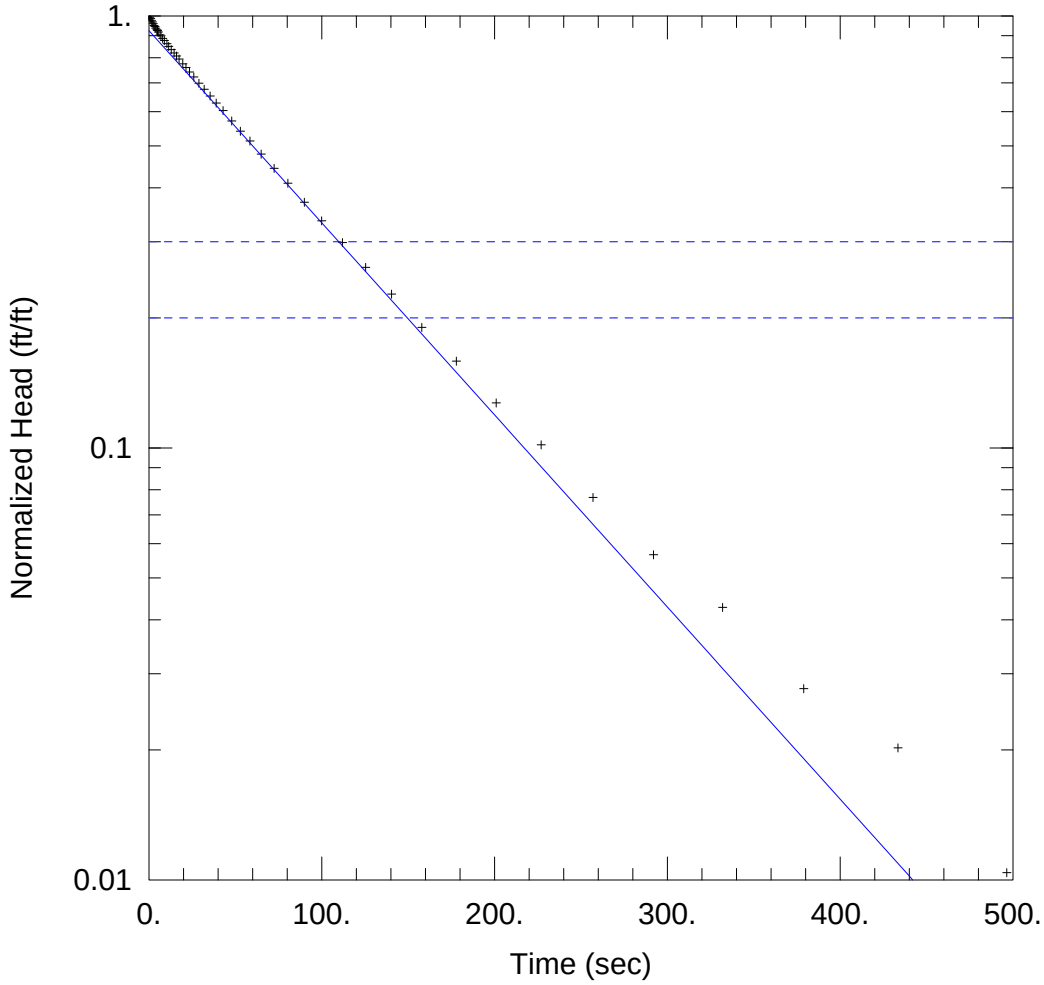
WELL DATA (MWD-F3)

Initial Displacement: 1.854 ft
Total Well Penetration Depth: 74.01 ft
Casing Radius: 0.086 ft
Static Water Column Height: 74.01 ft
Screen Length: 20. ft
Well Radius: 0.354 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.0081 ft/day
y0 = 1.7 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MW-F9_\MW-F9_1.aqt
Date: 09/16/14 Time: 09:57:39

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MW-F9

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

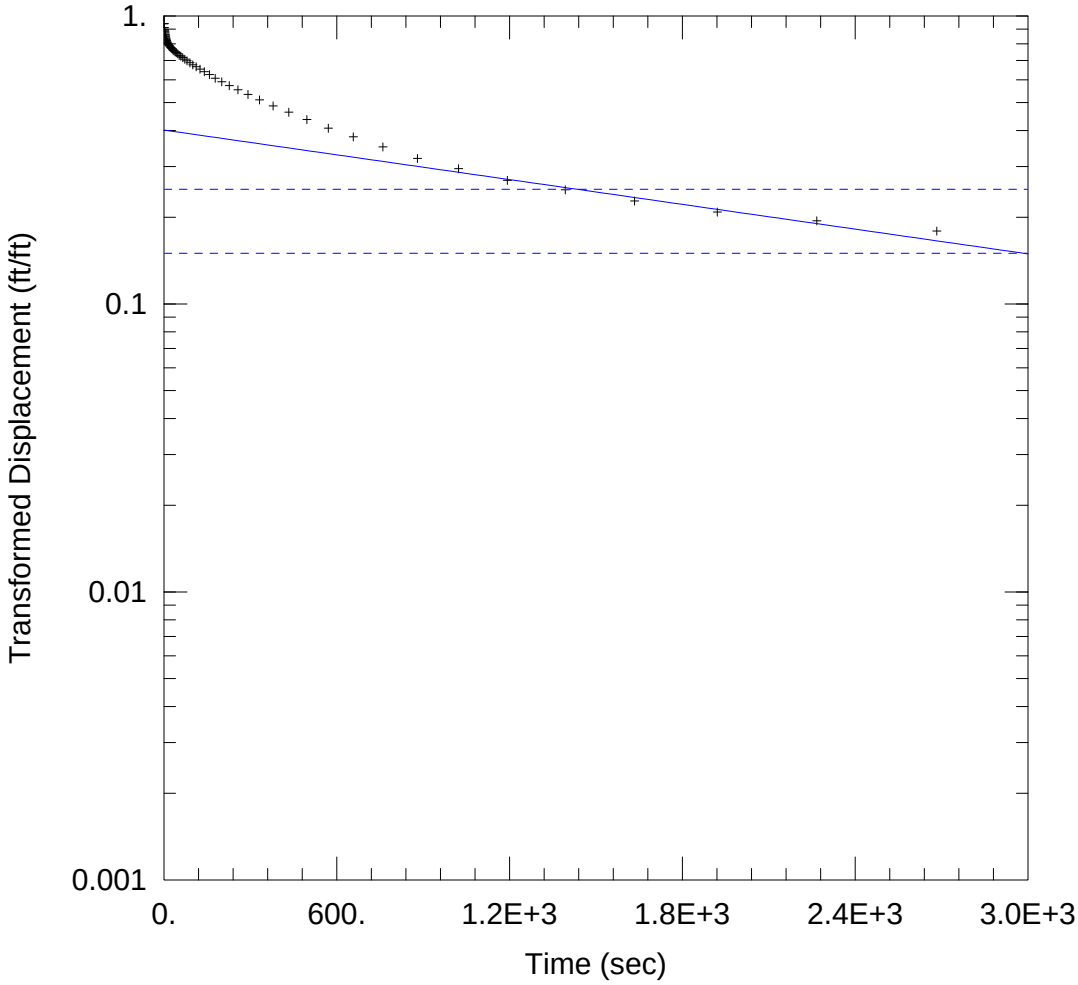
WELL DATA (MW-F9)

Initial Displacement: 1.731 ft
Static Water Column Height: 15.72 ft
Total Well Penetration Depth: 15.72 ft
Screen Length: 10. ft
Casing Radius: 0.086 ft
Well Radius: 0.354 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.72 ft/day
y0 = 1.6 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MW-F13_\MW-F13_mw.aqt
Date: 09/16/14 Time: 10:00:04

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MW-F13

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

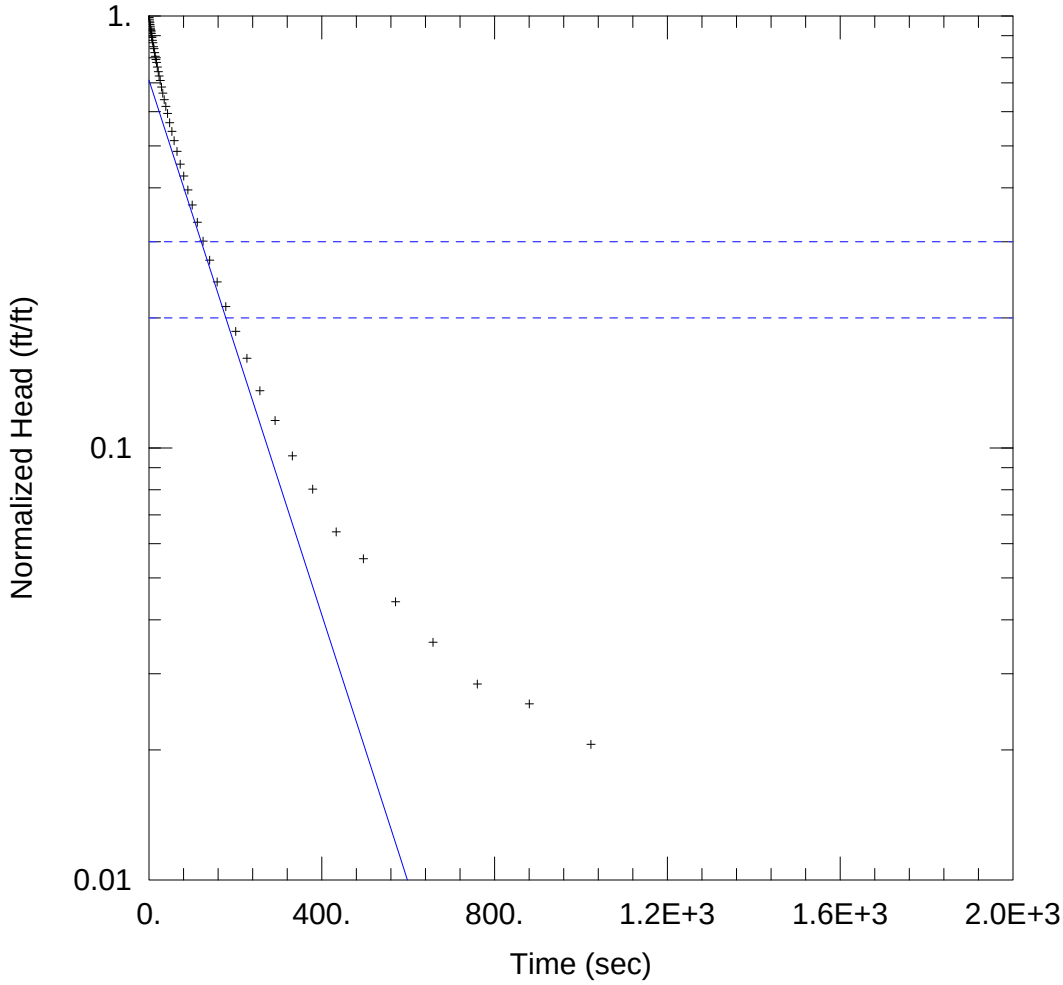
WELL DATA (MW-F13)

Initial Displacement: 1.27 ft
Total Well Penetration Depth: 12.03 ft
Casing Radius: 0.086 ft
Static Water Column Height: 12.03 ft
Screen Length: 10. ft
Well Radius: 0.354 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Unconfined
Solution Method: Dagan

K = 0.033 ft/day
y0 = 0.53 ft



WELL TEST ANALYSIS

Data Set: C:\Users\mdwebb\Desktop\Savannah-Hercules\Results\MW-F15_\MW-F15_1.aqt
Date: 09/16/14 Time: 10:01:12

PROJECT INFORMATION

Company: Arcadis
Client: Ashland Inc.
Project: OH007000.GA60
Location: Savannah, GA
Test Well: MW-F15

AQUIFER DATA

Saturated Thickness: 85. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-F15)

Initial Displacement: 1.408 ft
Total Well Penetration Depth: 16.81 ft
Casing Radius: 0.086 ft
Static Water Column Height: 16.81 ft
Screen Length: 10. ft
Well Radius: 0.354 ft
Gravel Pack Porosity: 0.

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice

K = 0.36 ft/day
y0 = 1. ft

ARCADIS

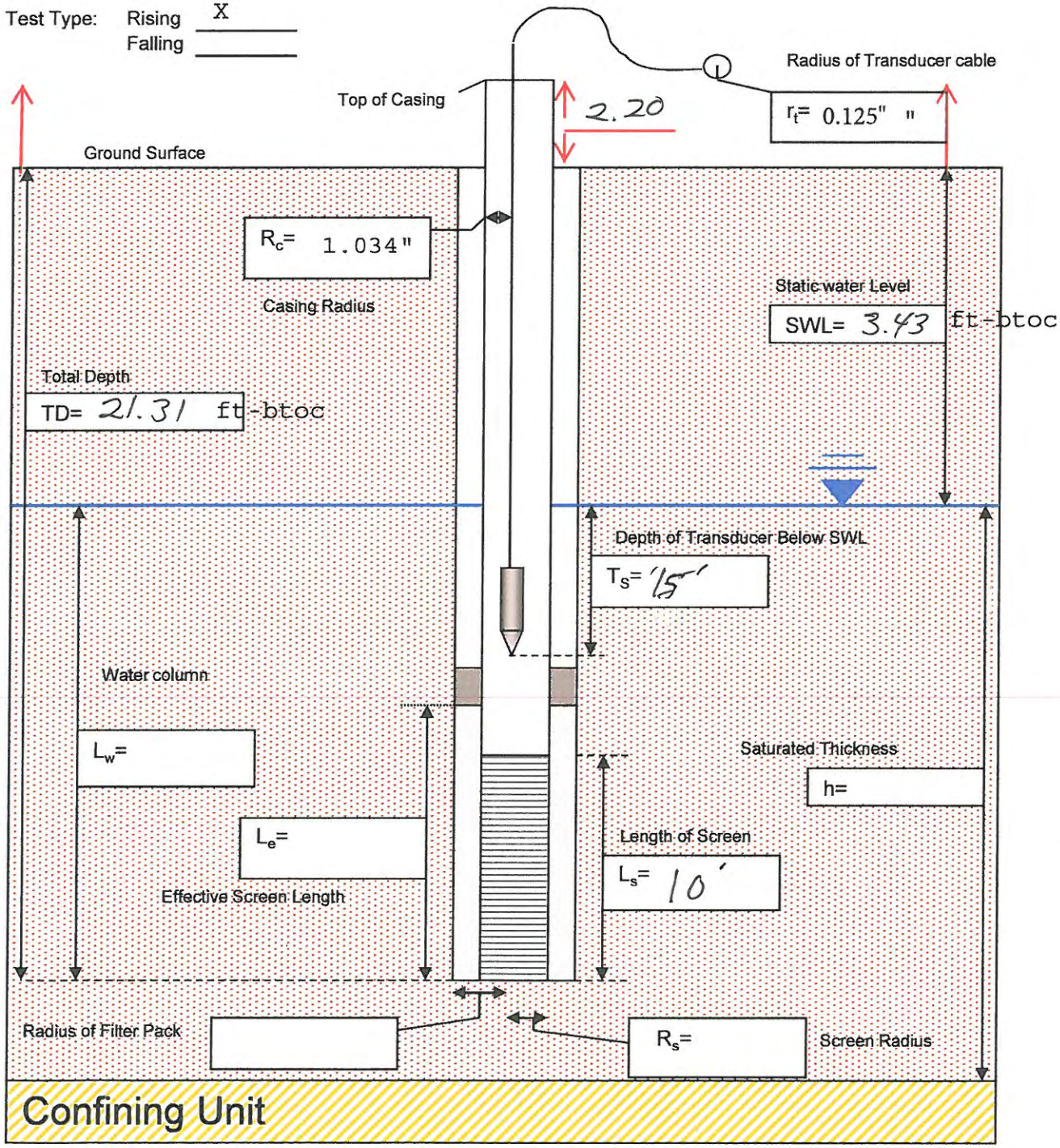
Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MW-22 Prepared By: Robby Shealy Date: 8/29/14 Time: 1145

Completed By: Robby Shealy

Test Type: Rising X
Falling



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS 3' bailer 1,000 ml

Number of Tests: 2 Data File Name: MW-22 Data File Location: _____

Input Pressure: _____ Pressure Transducer SN: _____ r_t: _____

Test ID: _____ T_S Baseline: 14.875 Pressure Reading: _____

H_o: _____ Test Start 1154 Test End 1200

Test ID: _____ T_S Baseline: 14.879 Pressure Reading: _____

H_o: _____ Test Start 1208 Test End 1223

Test ID: _____ T_S Baseline: _____ Pressure Reading: _____

H_o: _____ Test Start _____ Test End _____

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

ARCADIS

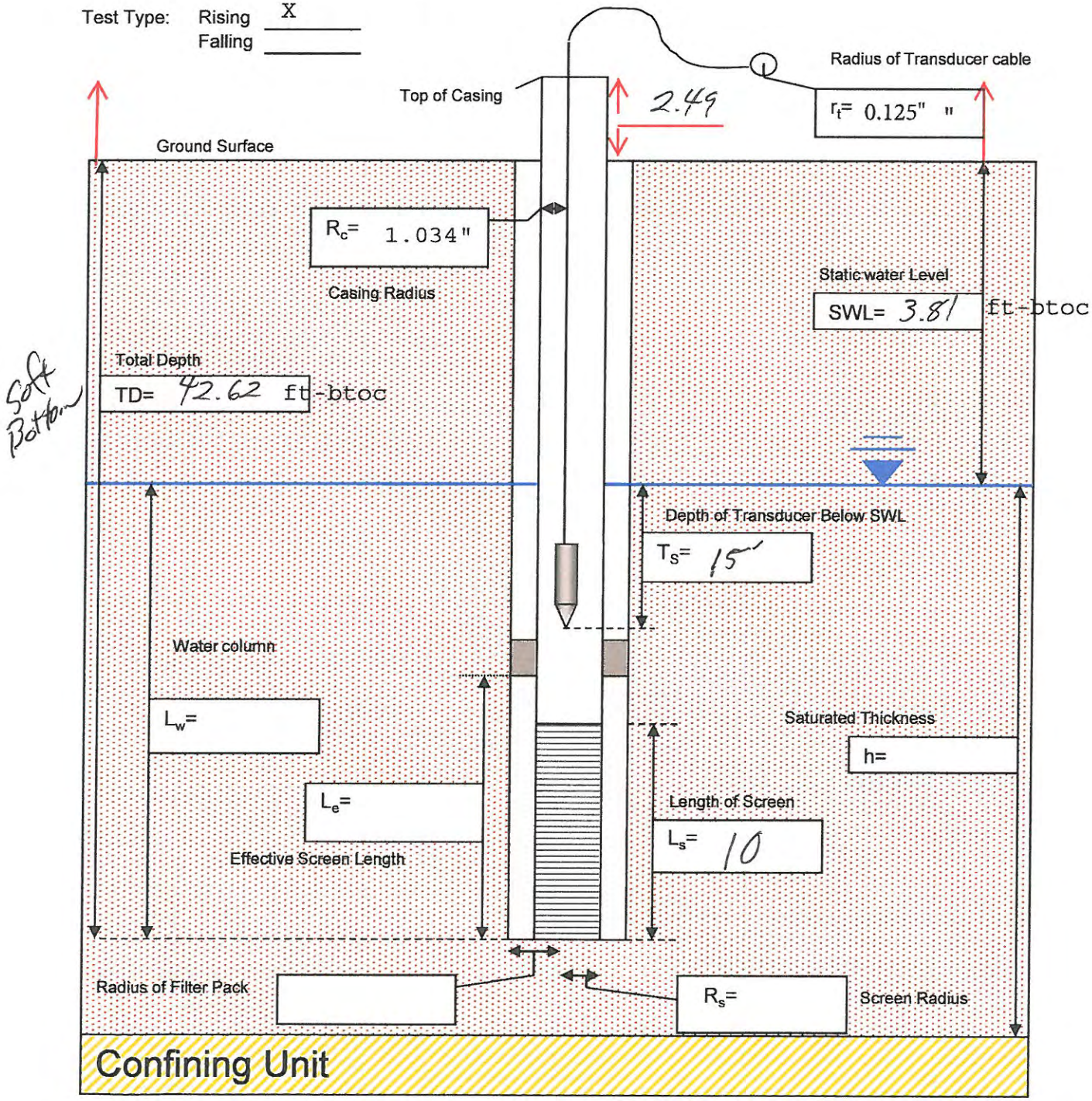
Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MWP-22 Prepared By: Robby Shealy Date: 8/29/14 Time: 1130

Completed By: Robby Shealy

Test Type: Rising X
Falling



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS 3' bailer 1,000ml removed

Number of Tests: 2 Data File Name: MWP-22 Data File Location: Level Troll 700

Input Pressure: _____ Pressure Transducer SN: 116803 r_t: _____

Test ID: _____ T_S Baseline: 14.934 Pressure Reading: _____

H_o: _____ Test Start 1147 Test End 1206

Test ID: _____ T_S Baseline: ~~[illegible]~~ Pressure Reading: _____

H_o: _____ Test Start _____ Test End _____

Test ID: _____ T_S Baseline: 14.931 Pressure Reading: _____

H_o: _____ Test Start 1227 Test End 1247

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

ARCADIS

Slug Test Log

Actually Did MW-24 instead of MWD-24

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

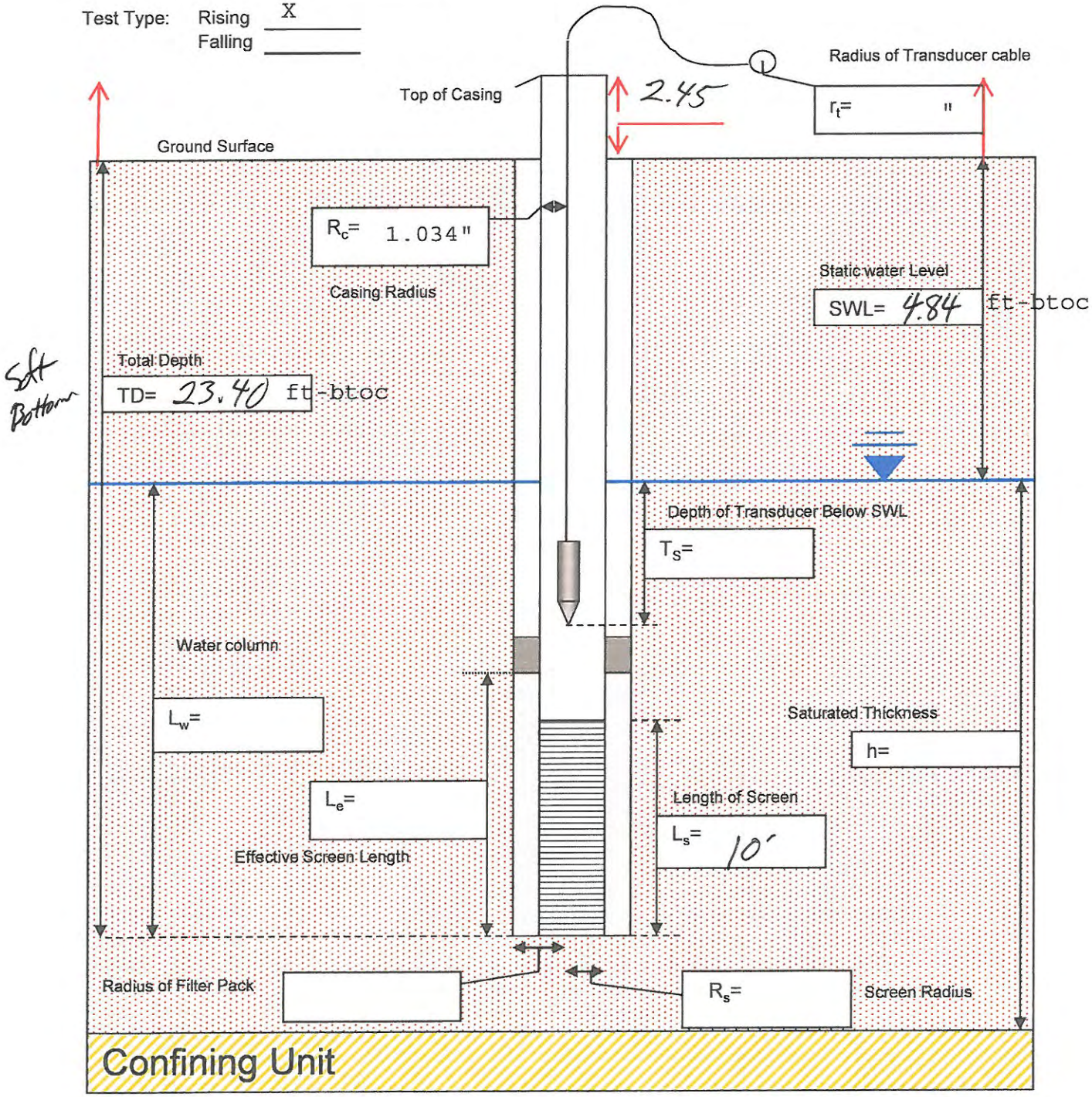
~~MWD-24~~ MW-24 changed file name

Well No: ~~MWD-24~~ Prepared By: Robby Shealy Date: 8/27/14 Time:

Completed By: Robby Shealy

Test Type: Rising X

Falling



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS 3' bailer 1,000 ml

Number of Tests: _____ Data File Name: ~~MWP-24~~ MW-24 changed file name Data File Location: _____

Input Pressure: _____ Pressure Transducer SN: _____ r_t: _____

Test ID: T_S Baseline: 14.911 Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Test ID: T_S Baseline: 14.890 Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Test ID: T_S Baseline: 14.886 Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

ARCADIS

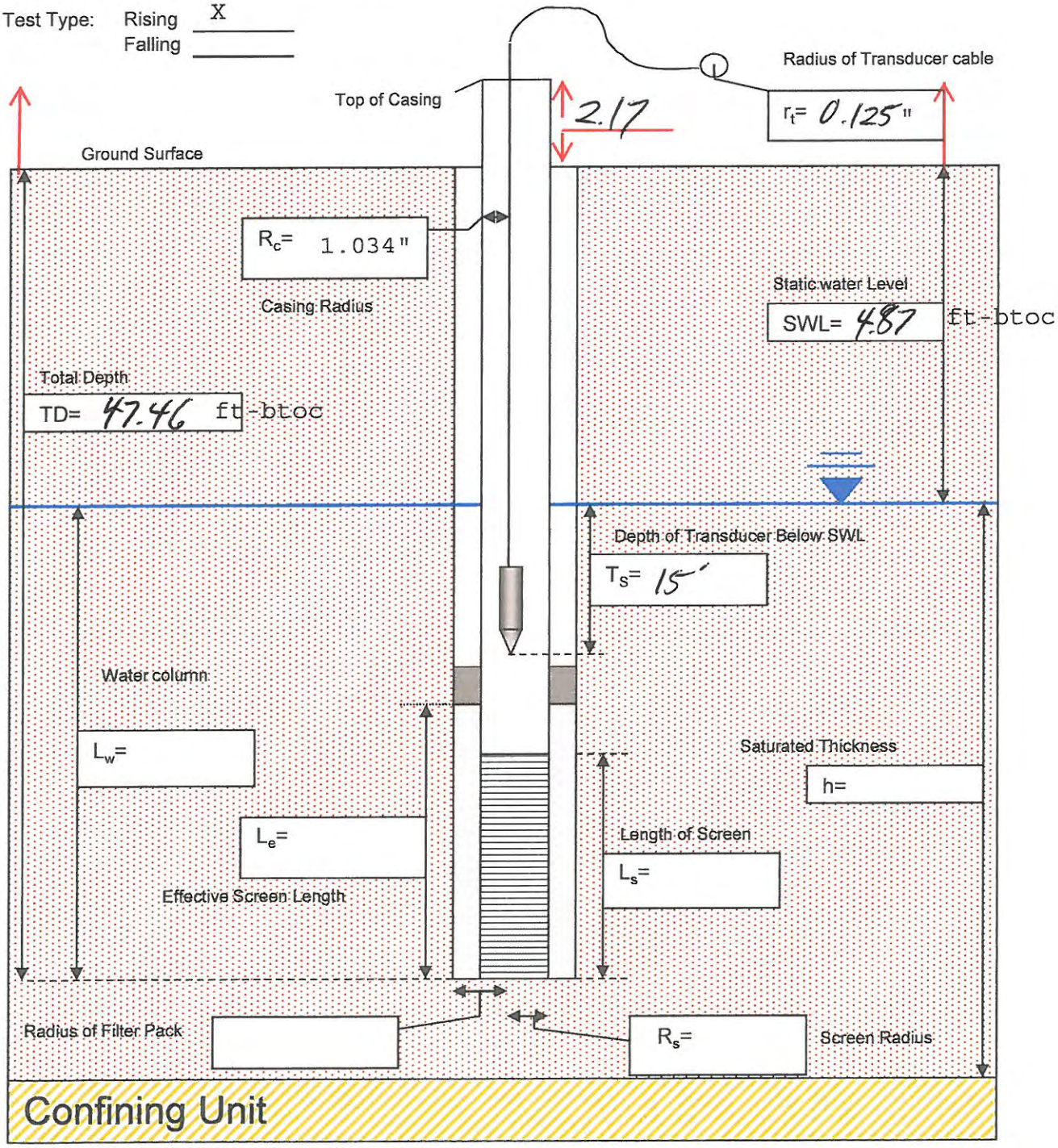
Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MWD-24 Prepared By: Robby Shealy Date: 8/29/14 Time: _____

Completed By: Robby Shealy

Test Type: Rising X
Falling _____



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS 3' bailer full @ 1,000 ml

Number of Tests: _____ Data File Name: MWD-24 Data File Location: _____

Input Pressure: _____ Pressure Transducer SN: _____ r_t: _____

Test ID: T_S Baseline: 14.750 Pressure Reading: _____

_____ H_o: _____ Test Start 1724 Test End _____

Test ID: T_S Baseline: _____ Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Test ID: T_S Baseline: _____ Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

Cannot get bailer in well well is damaged

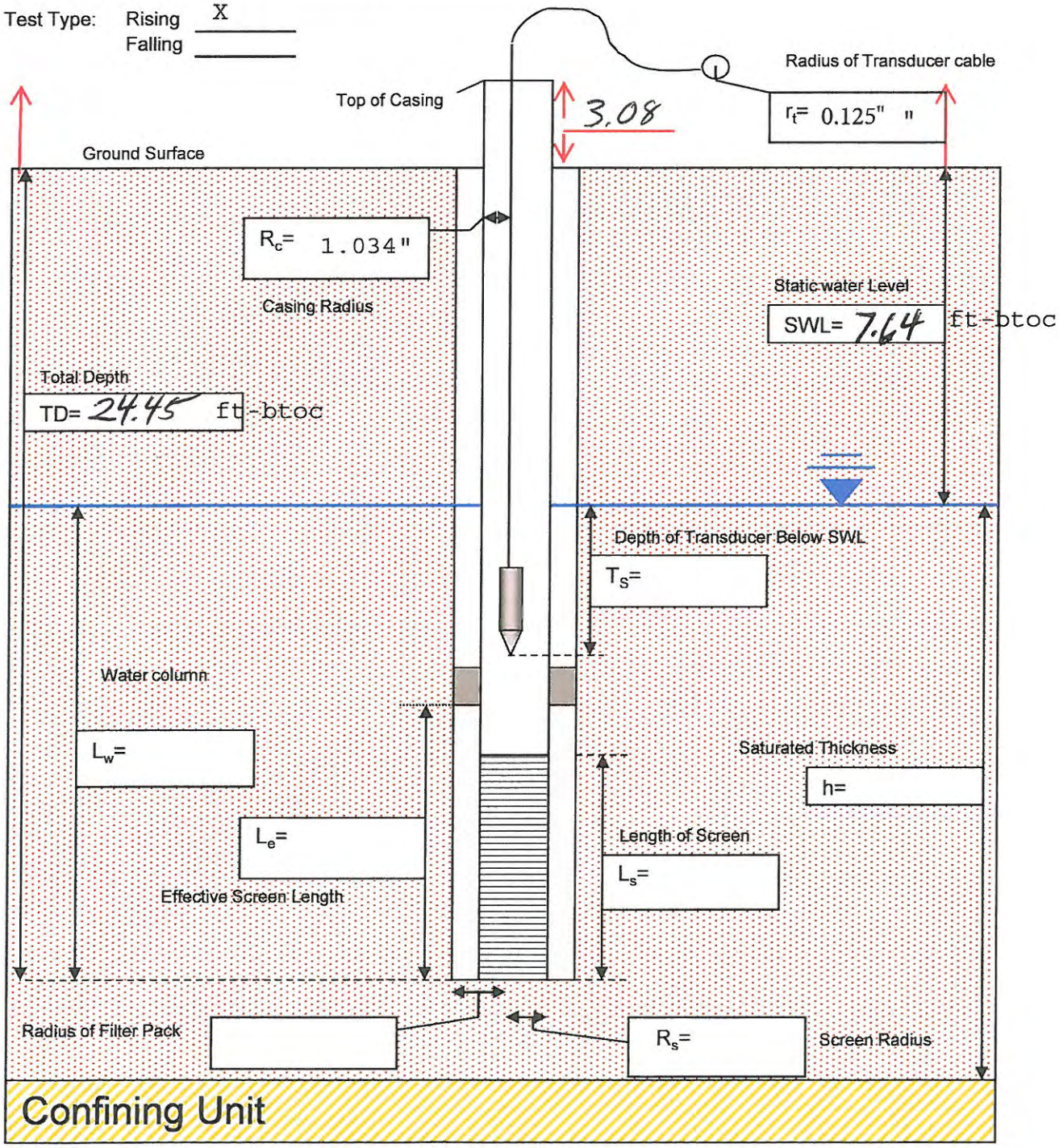
ARCADIS
Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MW-28 Prepared By: Robby Shealy Date: 8/29/14 Time: _____

Completed By: Robby Shealy

Test Type: Rising X
Falling _____



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS

Number of Tests: _____ Data File Name: _____ Data File Location: _____

Input Pressure: _____ Pressure Transducer SN: _____ r_t: _____

Test ID: T_S Baseline: _____ Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Test ID: T_S Baseline: _____ Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Test ID: T_S Baseline: _____ Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

ARCADIS

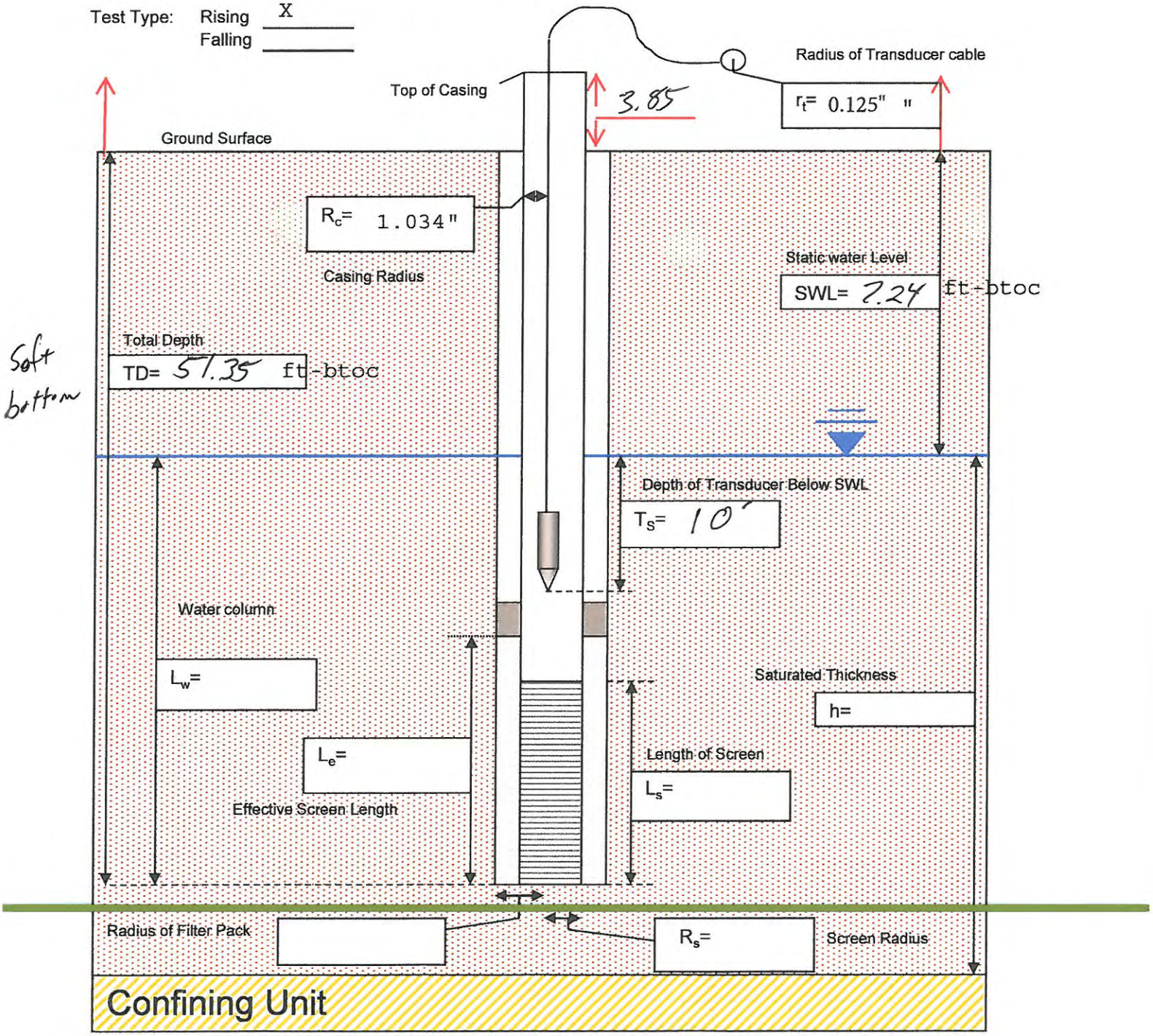
Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MWD-29 Prepared By: Robby Shealy Date: 8/29/14 Time: 1030

Completed By: Robby Shealy

Test Type: Rising X
Falling



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS 3' bailer 1,000 ml

Number of Tests: _____ Data File Name: MWD-29 Data File Location: Level Troll 700

Input Pressure: _____ Pressure Transducer SN: 327622 r_t: _____

Test ID: _____ T_S Baseline: 14.833 Pressure Reading: _____

H_o: _____ 14.807 finish Test Start 1041 Test End 1315

Test ID: _____ T_S Baseline: 14.818 Pressure Reading: _____

H_o: _____ Test Start 1332 Test End _____

Test ID: _____ T_S Baseline: _____ Pressure Reading: _____

H_o: _____ Test Start _____ Test End _____

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

ARCADIS

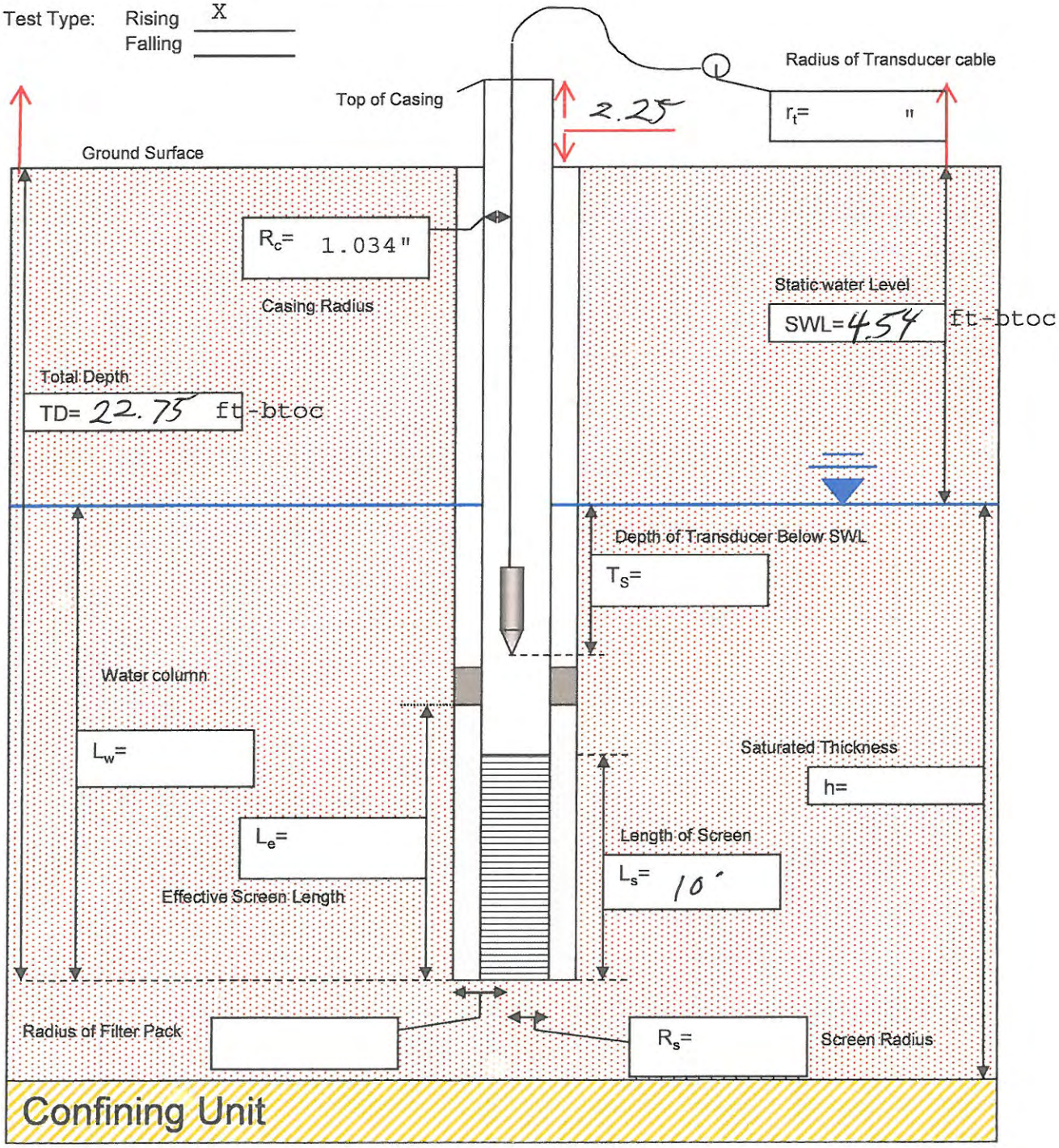
Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MW-F1 Prepared By: Robby Shealy Date: 8/27/14 Time: _____

Completed By: Robby Shealy

Test Type: Rising X
Falling _____



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS 3' bailer 1,000 ml

Number of Tests: 2 Data File Name: MW-F1 Data File Location: _____

Input Pressure: _____ Pressure Transducer SN: _____ r_t: _____

Test ID: T_S Baseline: 14.886 Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Test ID: T_S Baseline: 14.881 Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Test ID: T_S Baseline: _____ Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

ARCADIS

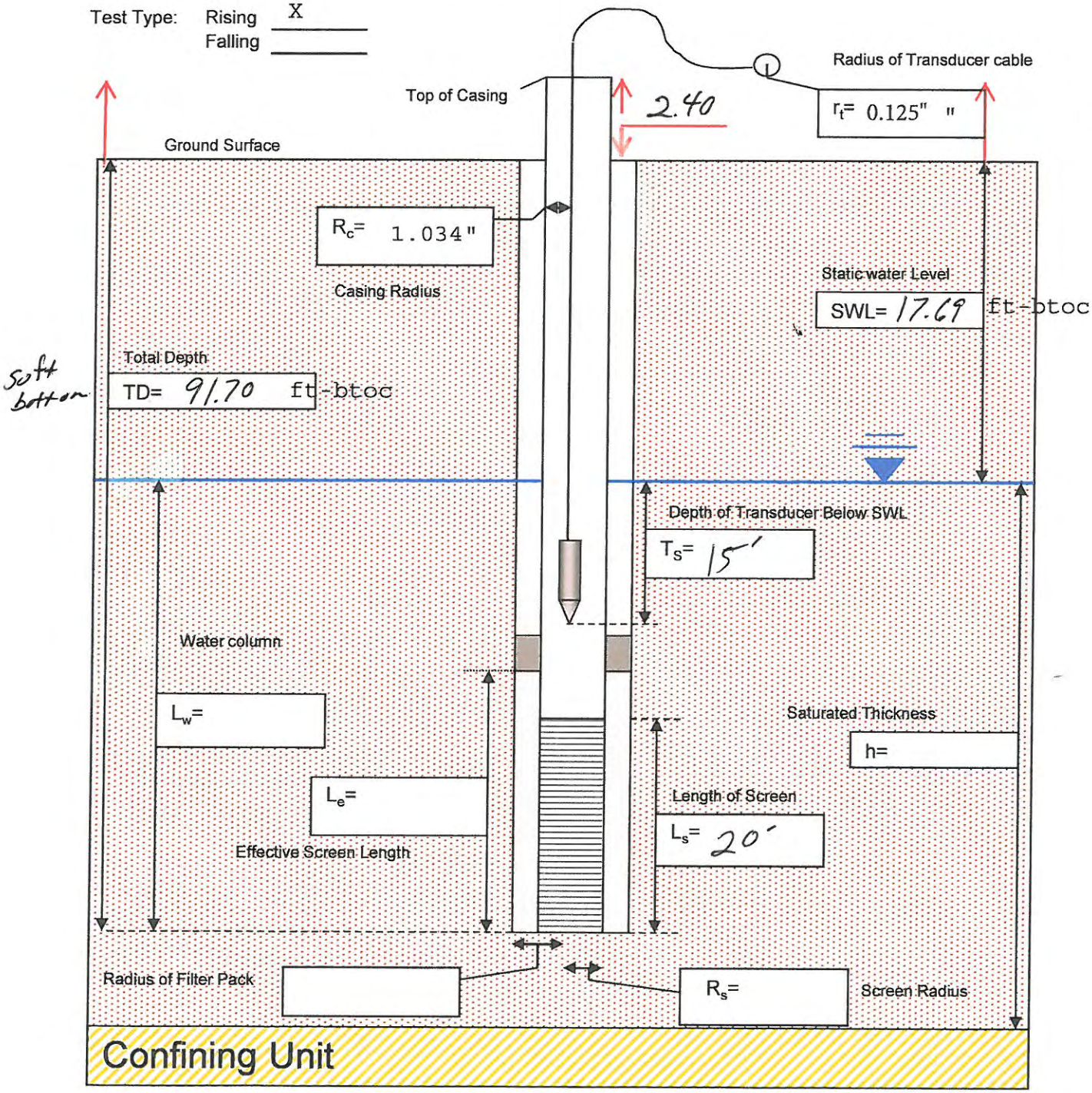
Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MWD-F3 Prepared By: Robby Shealy Date: 8/29/14 Time: 0820

Completed By: Robby Shealy

Test Type: Rising X
Falling



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS 3' bailer 1,000 ml

Number of Tests: _____ Data File Name: MWD-F3 Data File Location: _____

Input Pressure: _____ Pressure Transducer SN: Level Troll 700 315825 r_t: _____

Test ID: _____ T_S Baseline: 14.858 Pressure Reading: _____

H_o: _____ Test Start 0955 Test End _____

Test ID: _____ T_S Baseline: _____ Pressure Reading: _____

H_o: _____ Test Start _____ Test End _____

Test ID: _____ T_S Baseline: _____ Pressure Reading: _____

H_o: _____ Test Start _____ Test End _____

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity 15.189

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

ARCADIS
Slug Test Log

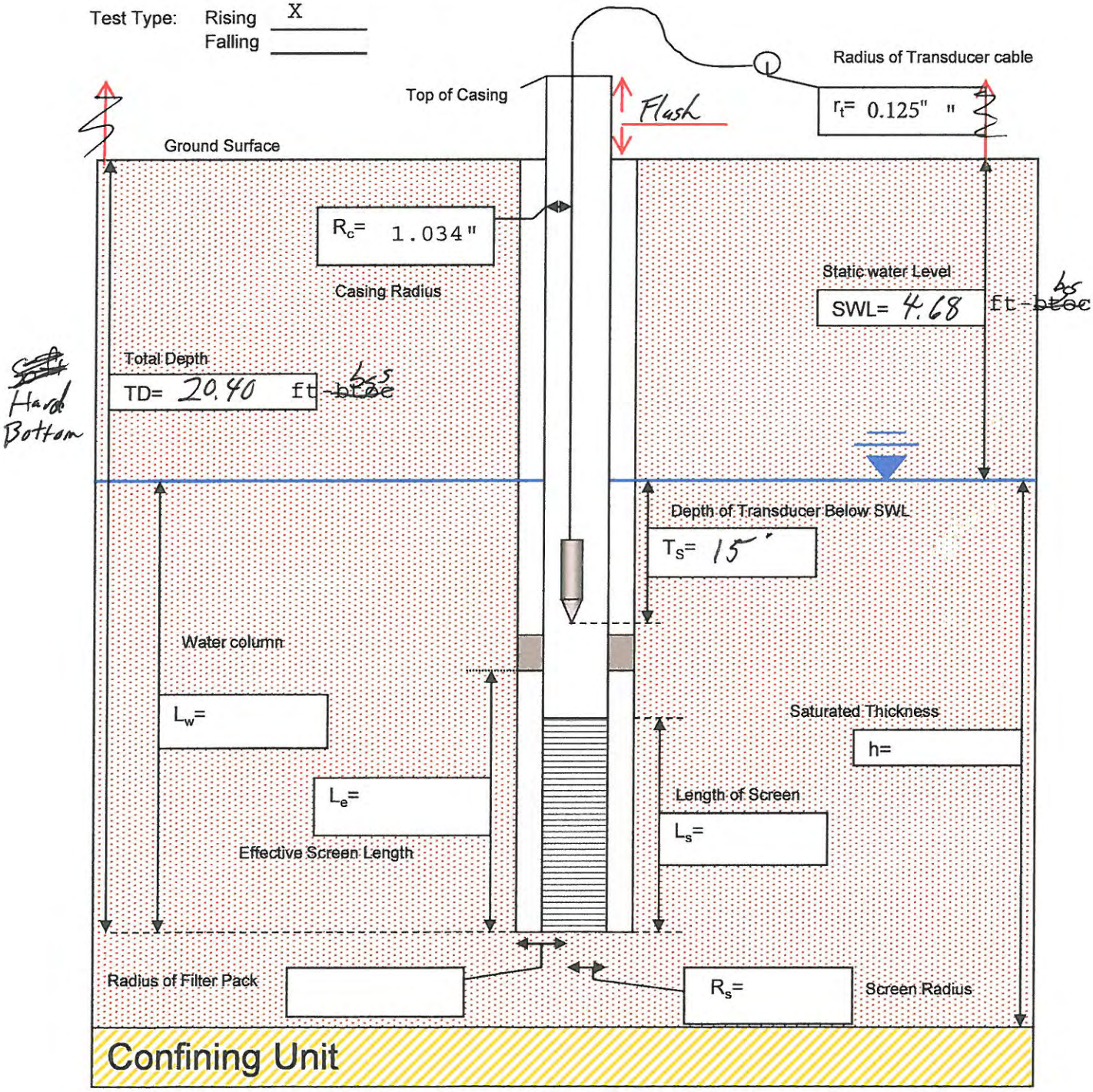
No Well Tag MW-F9

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MW-F~~#~~9 Prepared By: Robby Shealy Date: 8/29/14 Time: 0900

Completed By: Robby Shealy

Test Type: Rising X
Falling



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS Using 3' bailer removing full 1,000ml out each time

Number of Tests: _____ Data File Name: MW-F9 Data File Location: _____

Input Pressure: _____ Pressure Transducer SN: _____ r_t: _____

Test ID: T_S Baseline: 14.888 Pressure Reading: _____

_____ H_o: _____ Test Start 0857 Test End 0907

Test ID: T_S Baseline: 14.888 Pressure Reading: _____

_____ H_o: _____ Test Start 0921 Test End 0934

Test ID: T_S Baseline: _____ Pressure Reading: _____

_____ H_o: _____ Test Start _____ Test End _____

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

ARCADIS

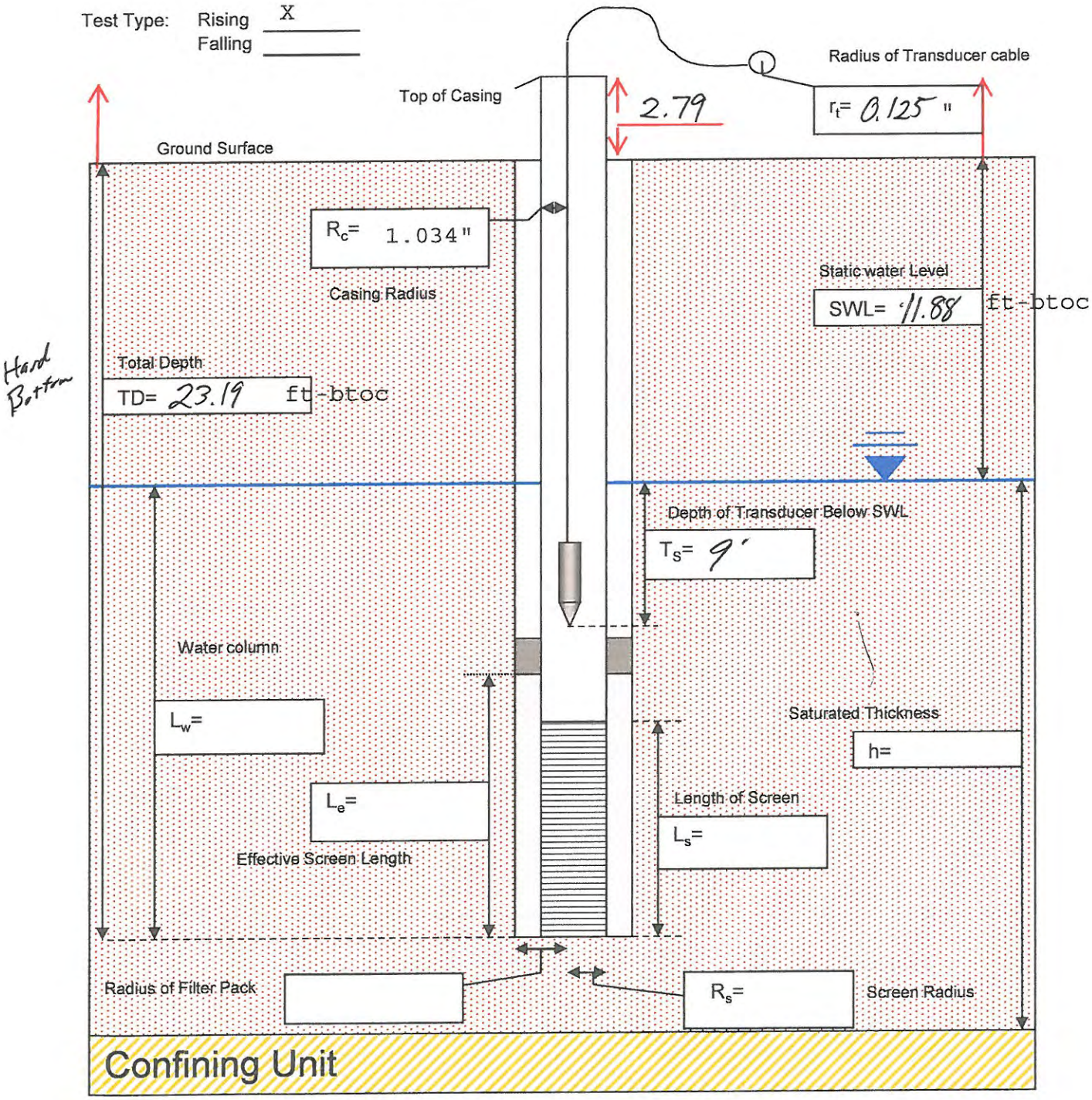
Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MW-F13 Prepared By: Robby Shealy Date: 8/29/14 Time: 1520

Completed By: Robby Shealy

Test Type: Rising X
Falling



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS 3 bailer 1,000 ml

Number of Tests: 1 Data File Name: MW-F13 Data File Location:

Input Pressure: Pressure Transducer SN: 116803 r_t:

Test ID: T_S Baseline: 8.971 Pressure Reading:

H_o: Test Start 1552 Test End 1642

Test ID: T_S Baseline: Pressure Reading:

H_o: Test Start Test End

Test ID: T_S Baseline: Pressure Reading:

H_o: Test Start Test End

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

ARCADIS

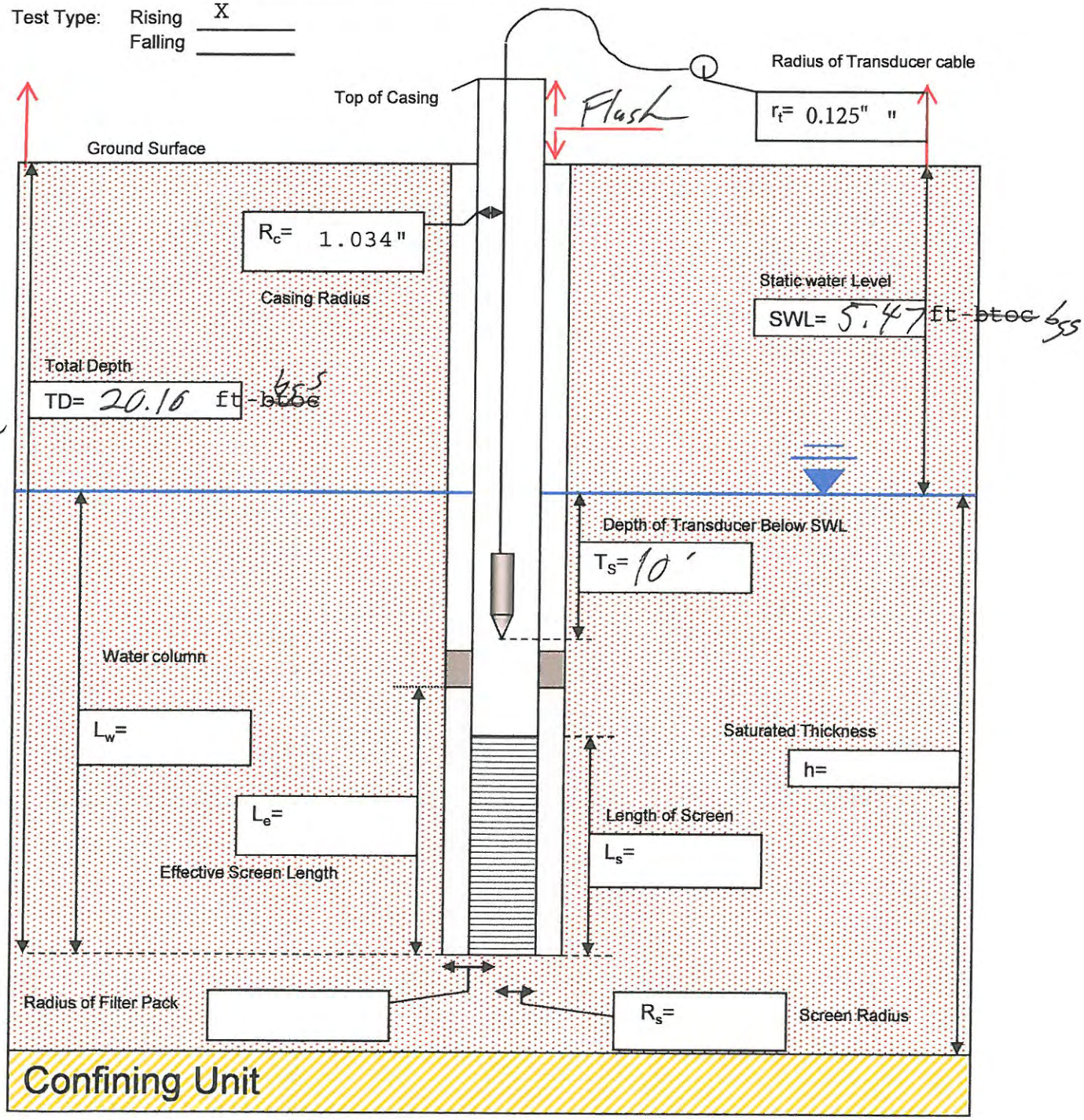
Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA06.00300 Page: 1 of 2

Well No: MW-F15 Prepared By: Robby Shealy Date: 8/29/14 Time: 1400

Completed By: Robby Shealy

Test Type: Rising X
Falling



ARCADIS

Slug Test Log

Site Name: Ashland Savannah Project No: OH007000.GA60 Page: 2 of 2

TESTS 3' bailer fall @ 1,000 ml

Number of Tests: 1 Data File Name: MW-F15 Data File Location:

Input Pressure: Pressure Transducer SN: r_t:

Test ID: T_S Baseline: 9.860 Pressure Reading:

H_o: 9.817 Test Start 1426 Test End 1442

Test ID: T_S Baseline: Pressure Reading:

H_o: Test Start Test End

Test ID: T_S Baseline: Pressure Reading:

H_o: Test Start Test End

Notes:

H_o	Initial change in head at instant the slug test is started
r_t	Radius of transducer cable
T_S	Depth of transducer below static water level

Theoretical Change in Head - 2.307 feet = 1 psi

(Feet)	(psi)	(Feet)	(psi)	(Feet)	(psi)
0.50	0.22	1.50	0.65	2.50	1.08
0.75	0.33	1.75	0.76	2.75	1.19
1.00	0.43	2.00	0.87	3.00	1.30
1.25	0.54	2.25	0.98	3.25	1.41

Well Parameters Required for Calculating Hydraulic Conductivity

L_e	Effective screen length, including the sand pack
L_s	True screen length
L_w	Length of water column in Well (TD-SWL)
R_s	Screen radius
R_b	Radius of filter Pack or borehole
R_c	Casing radius
r_t	Radius of the transducer cable
T_s	Depth the transducer is submerged below the SWL
SWL	Static water level
TD	Total depth of well/screen from reference point
h	Saturated thickness of aquifer
H_o	Initial head change at instant the slug test is started.
Aquifer Type	Confined or unconfined

APPENDIX D

Groundwater Model – 2018

Appendix D
Soil Leaching and Groundwater Advective Transport Calculations

Site:	Hercules	Calculated By:	Chris Shepherd
Location:	Savannah, GA	Checked By:	Mike Kladias
Chemical(s):	See below	Date:	9/4/2018

Parameters:	1,1-Biphenyl	Aroclor 1254	Total PCBs	Units	Source
1) Soil-Water Partitioning and Leachate Concentrations	$K_d = K_{oc} \cdot f_{oc}$	$P_w = K_d + \frac{\theta_w + (\theta_a \cdot H')}{\rho_b}$	$C_l = \frac{C_{tmax}}{P_w}$		(USEPA 1996)*
soil organic carbon/water partition coefficient K_{oc}	5.1E+03	1.3E+05	7.8E+04	L/kg	a
fraction of organic carbon f_{oc}	0.002	0.002	0.002	g/g	b
organic soil-water partition coefficient K_d	**10.3**	**261.0**	**156.2**	**L/kg**	
water-filled soil porosity[5] θ_w	0.3	0.3	0.3	dimensionless	b
air-filled soil porosity θ_a	0.13	0.13	0.13	dimensionless	b
dry soil bulk density[5] ρ_b	1.50	1.50	1.50	kg/L	b
soil porosity (total) n	0.43	0.43	0.43	dimensionless	b
Henry's Law constant H'	0.013	0.012	0.017	dimensionless	a
Soil-Water Partition P_w	**10.5**	**261.2**	**156.4**	**L/kg**	
Maximum site soil concentration C_t	4400	14	6.5	mg/kg	k
Maximum site leachate concentration C_l	**420.7**	**3.0**	**1.8**	**mg/L**	
2) Dilution Attenuation Factor and Mixed Groundwater Concentration	$DAF = 1 + \frac{K \cdot i \cdot d}{I \cdot L}$	$C_{gw} = \frac{C_l}{DAF}$			(USEPA 1996)
USEPA/GA EPD Default DAF (<1/2 acre source) DAF	20	20	20	**dimensionless**	b
Mixed, initial groundwater concentration C_{gw}	**21.03**	**0.15**	**0.09**	**mg/L**	
3) Average Seepage Velocity:	$V_s = \frac{K \cdot i}{\theta_e}$				(Fetter 1993)
Aquifer hydraulic conductivity K	1.5	1.5	1.5	ft/day	c
Groundwater gradient i	0.008	0.008	0.008	ft/ft	d
Effective porosity θ_e	0.1	0.1	0.1	dimensionless	e
Seepage velocity V_s	**0.12**	**0.12**	**0.12**	**ft/day**	
4) Retardation Factor and Chemical Transport Rate	$r_f = 1 + K_d \frac{(1-n)\rho_s}{\theta_w}$	$V_c = \frac{V_s}{r_f}$			(Bouwer 1991)
soil-water partition coefficient K_d	1.0E+01	2.6E+02	1.6E+02	L/kg	
water-filled soil porosity θ_w	0.43	0.43	0.43	dimensionless	b
soil particle density ρ_s	2.65	2.65	2.65	kg/L	b
soil porosity (total) n	0.43	0.43	0.43	dimensionless	b
Retardation factor r_f	**3.7E+01**	**9.2E+02**	**5.5E+02**	**dimensionless**	
Seepage velocity V_s	0.12	0.12	0.12	ft/day	see above
Chemical velocity (retarded) V_c	3.2E-03	1.3E-04	2.2E-04	ft/day	
Chemical velocity (retarded) V_c	**1.18**	**0.048**	**0.08**	**ft/year**	

Appendix D
Soil Leaching and Groundwater Advective Transport Calculations

Site:	Hercules	Calculated By:	Chris Shepherd
Location:	Savannah, GA	Checked By:	Mike Kladias
Chemical(s):	See below	Date:	9/4/2018

Parameters:	1,1-Biphenyl	Aroclor 1254	Total PCBs	Units	Source
5) Degradation Rate and Time (1st Order Decay)	$k = \frac{ln(2)}{\lambda}$	$t = \frac{ln\left(\frac{C}{C_0}\right)}{k}$			(Fetter 1993)*
Chemical half-life λ	28	2610	3103	days	f,g,h
Target groundwater concentration C	1.0E-02	5.0E-04	6.4E-05	mg/L	i
Initial groundwater concentration C_{0gw}	**2.1E+01**	**2.7E-03**	**2.1E-03**	**mg/L**	see above
Chemical degradation constant k	**2.5E-02**	**2.7E-04**	**2.2E-04**	**days^{-1}**	
time to reach C t	**309**	**6,322**	**15,578**	**days**	
time to reach C t	1	17	43	years	
6) Maximum Chemical Transport Distance and Time	$d_c = v_c \cdot t$				(Fetter 1993)*
Chemical velocity v_c	3.2E-03	1.3E-04	2.2E-04	ft/day	see above
time to reach C t	309	6,322	15,578	days	see above
C_0 transport distance downgradient d_c	**1.0**	**0.8**	**3.4**	**ft**	

Notes:
Calculations conservatively assumes an infinite source, no dispersion, and no diffusion
= input value (site- or chemical-specific)
= USEPA default value
= calculated cell
a = USEPA 2017
b = USEPA 1996 default value (conservative for foc)
c = Site maximum shallow groundwater hydraulic conductivity (Arcadis 2015)
d = Site average shallow groundwater gradient, rounded
e = Based on silts and sands with fines (GAEPD 2016; USEPA 1989)
f = 1,1-Biphenyl largest reported numericalhalf-life from Howard 1991
g = Aroclor 1254 largest reported numerical half-life from USEPA 1998
h = PCBs largest reported numerical half-life from ASTDR 2000
i = Lowest of the GA EPD in-stream surface water criterion (average or high flow) or Type 1/2 RRS, as applicable
k = Maximum observed site soil concentration (Arcadis 2016)
* = Equation rearranged to solve for variable (e.g., time [t])
Acronyms
ft = feet
ft/ft = feet per foot
ft/day = feet per day
ft/yr = feet per year
g = grams
GA EPD = Georgia Environmental Protection Division
kg = kilogram
kg/L = kilogram per liter
L = liter
mg/kg = milligram per kilogram
mg/L = milligram per liter
PCB = polychlorinated biphenyl
RRS = risk reduction standard
USEPA = United Stantes Environmental Protection Agency
References:

Arcadis. 2015. Voluntary Investigation and Remediation Plan Progress Report #4. March.

Arcadis. 2016. Voluntary Investigation and Remediation Plan, Semiannual Progress Report #7, Hercules Savannah Facility, HSI Site No. 10696, Hercules LLC., 3000 Louisville Road, Savannah, Georgia. September 30.

ASTDR 2000. U.S. Department of Health Services Agency for Toxic Substances and Disease Registry (ASTDR). Toxilogical Profile for Polychlorinated Biphenyls (PCBs). November.

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APPENDIX E

Field Forms and Soil Boring/Well Construction Logs – 2017 through 2018

SOIL BORING LOG

Boring No.: DS-9

Sheet: 1 of

Project Name:	ASH AND	Date Started: 10/24/17	Logger: M. [illegible]
Project Number:	OHO10000	Date Completed: 10/24/17	Editor:
Project Location:	SAVANNAH, GA	Weather Conditions:	CLEAR, 75°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
DS-9-1	0-4 (2)		1530				0-0.2' BGS: GRASS / ORGANIC MATERIAL 0.2-2' BGS: SILT W/ SOME F-M SAND, LITTLE CLAY, DARK BROWN, MOIST SOFT *REFUSAL @ 2' BGS	
DS-9-2	0-4		1540				0-0.2': GRASS 0.2-2': SILT W/ SOME F-M SAND, LITTLE CLAY 2-4': VF SAND W/ SOME SILT, TAN TO GREY, MOIST, SOFT	
DS-9-3	0-4		1550				0-0.2': GRASS & ORGANIC MATERIAL 0.2-2': SILT & CLAY W/ V. FINE SAND, RED/BROWN 2'-4': VF SAND & SILT W/ SOME CLAY, LIGHT BROWN & TAN	
DS-9-4	0-4		1600				0-0.2': GRASS 0.2-2': SILT W/ SOME FINE SAND, TRACE CLAY, BROWN 2'-4': SAA W/ LESS CLAY, BROWN WITH ORANGE	

SOIL BORING LOG

Boring No.: EX-21 / EX-22

Sheet: 1 of

Project Name: ASHLAND
Project Number: ONO10000
Project Location: SAVANNAH, GA

Date Started: 10/25/17
Date Completed: 10/25/17
Logger: M. LEEL
Editor:
Weather Conditions: CLEAR, LIGHT

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
EX-21-1	0-2		1215				SILT W/ SOME VF-F SAND, LITTLE CLAY, BROWN, MOIST, SOFT	
EX-21-2	0-2		1225				0-0.2' TGS: GRASS/ORGANIC MATERIAL 0.2-2' TGS: SILT W/ LITTLE CLAY AND LITTLE F-F SAND, BROWN, LOW PLASTICITY, MOIST, SOFT	
								EX-22
EX-22-1	0-2		1600				0-0.2' TGS: GRASS/ORGANIC MATERIAL 0.2-2' TGS: F-C SAND, LITTLE SILT, TRACE CLAY, L. BROWN, MOIST,	
EX-22-2	0-2		1610				0-0.2': GRASS/ORGANIC MATERIAL 0.2-2' TGS: SILT W/ SOME CLAY AND SOME F-M SAND, BROWN, MOD. PLASTICITY, MOIST, SOFT	
EX-22-3	0-2		1620				SAME AS EX-22-1	

SOIL BORING LOG

Boring No.: EX-26 + Dup-2

Sheet: 1 of

Project Name: Ashland
Project Number: OH010000
Project Location: Savannah, GA

Date Started: 10/26/17
Date Completed: 10/26/17
Logger: B. Mayeux
Editor:
Weather Conditions: Clear 70°

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
EX-26-1	0-2'		1000	DUP-2			0-0.2' organic material 0.2-0.5' silt w/ vf sand, dark brown 0.5-2' Medium grained sand, moist, tan	
EX-26-2	0-2'		1010				0-0.2' organic material 0.2-2' silt w/ vf sand, moist, low plasticity, dark brown	
EX-26-3	0-2'		1020				0-0.2' organic material 0.2-1' clay w little sand, med plasticity, dark brown 1-2' Med sand, moist, tan	

SOIL BORING LOG

Boring No.: SB-122

Sheet: 1 of

Project Name: Ashland
Project Number: 0401 0000
Project Location: Savannah, GA

Date Started: 10/26/17
Date Completed: 10/26/17
Logger: B. Mayer
Editor:
Weather Conditions: clear 70°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-122-1	0-1		1030				0-0.2' Grass 0.2-1' Silt w/ F sand, low plasticity, moist, dark brown	
SB-122-2	0-1		1040				0-0.2' Grass 0.2-1' Silt w/ F sand, low plast, moist, dark brown	
SB-122-3	0-1		1050				0-0.2' Grass 0.2-1' Silt w/ F sand, low plasticity, moist, dark brown	
SB-122-4	0-1		1300				0-0.2' Grass 0.2-1' Silt w/ F sand, low plasticity, moist, dark brown	

SOIL BORING LOG

Boring No.: SB-12G

Sheet: 1 of

Project Name:	ASHLAND	Date Started: 10/24/17	Logger: M. GREEL
Project Number:	ON010000	Date Completed: 10/24/17	Editor:
Project Location:	SAVANNAH, GA	Weather Conditions:	CLEAR, 65°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-12G-1	0-1		1050				0-0.4' BGS: GRAVEL 0.4-1' BGS: SILT W/ LITTLE CLAY, LOW PLASTICITY, MOIST, SOFT, D. BROWN	
SB-12G-2	0-1		1100				0-0.2' BGS: GRAVEL 0.2-1' BGS: SILT W/ SOME CLAY, MOD. PLASTICITY, MOIST, SOFT, D. BROWN	
SB-12G-3	0-1		1110				0-0.2' BGS: GRAVEL 0.2-1' BGS: SILT W/ SOME CLAY, LITTLE VF SAND, DARK AND LIGHT BROWN, MOD. PLASTICITY, MOIST, SOFT	

SOIL BORING LOG

Boring No.: SB-128

Sheet: 1 of

Project Name: ASHLAND
Project Number: 0410000
Project Location: SAVANNAH, GA

Date Started: 10/24/17
Date Completed: 10/24/17
Logger: M. GREEL
Editor:
Weather Conditions: CLEAR, 65°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-128-1	0-1		0930				SILT w/ LITTLE CLAY TRACE V.F SAND, D. BROWN, LOW PLASTICITY, MOIST, SOFT	0-~0.4': GRAVEL
SB-128-2	0-1		0940	* DUP-3 (102417)			SAME AS ABOVE (SAA)	
SB-128-3	0-1		0950				SILT w/ SOME CLAY, D. BROWN, MED. PLASTICITY, MOIST, SOFT	

SOIL BORING LOG

Boring No.: SB-137

Sheet: 1 of

Project Name: ASHLAND
Project Number: ON016000
Project Location: SAVANNAH, GA

Date Started: 10/24/17
Date Completed: 10/24/17
Logger: M. STEEL
Editor:
Weather Conditions: CLEAR, 73°F

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-137-1 0-1		1450				0.0-0.2' BGS: GRASS / ORGANIC MATERIAL 0.2-1' BGS: SILT w/ SOME FINE SAND, LITTLE CLAY, SOME GRAVEL, D. BROWN / GREY MOIST/WET, SOFT	

SOIL BORING LOG

Boring No.: SB-142

Sheet: 1 of

Project Name: Ashland
Project Number: OH0l000
Project Location: Savannah, GA

Date Started: 10/26/17
Date Completed: 10/26/17
Logger: B. Mulpeix
Editor:
Weather Conditions: clear, 53°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-142-1	0-1		0850				0-0.2' Organic Material 0.2-1' Silt w/ little very fine grained sand, dark brown, low plasticity, moist, soft	
SB-142-2	0-1		0840				0-0.2' Organic material 0.2-1' Silt w/ little very fine grained sand, dark brown, low plasticity, moist, soft	
SB-142-3	0-1		0850				0-0.2' Organic material 0.2-0.5' Med grained sand w/ little silt, light brown, moist 0.5-1' Silt w/ vf grained sand, dark brown	

SOIL BORING LOG

Boring No.: SB-159
Sheet: 1 of

Project Name: ASHLAND
Project Number: ONG10000
Project Location: SAVANNAH, GA

Date Started: 10/24/17
Date Completed: 10/24/17
Logger: M. REEL
Editor:
Weather Conditions: CLEAR, 65°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-159-1	0-2		1000				SILT W/ LITTLE CLAY, TRACE VF SAND, D. BROWN, LOW PLASTICITY, MOIST, SOFT	0-~0.4': GRAVEL
SB-159-2	0-2		1010	*	MS/MSD		0-1' BGS: GRAVEL 1-2' BGS: SILT W/ LITTLE CLAY, TRACE VF SAND, D. BROWN, LOW PLASTICITY, MOIST SOFT	
SB-159-3	0-2		1020				0-1' BGS: GRAVEL 1-2: SILT W/ LITTLE CLAY, TRACE VF SAND, D. BROWN, MOIST/WET, SOFT	

SOIL BORING LOG

Boring No.: SB - 165

Sheet: 1 of

Project Name: ASULAND
Project Number: 0410000
Project Location: SAVANNAH, GA

Date Started: 10/25/17
Date Completed: 10/25/17
Logger: M. GREEL
Editor:
Weather Conditions: CLEAR, 68°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-165-1	0-2		1510				0-1.5' TSS; SILT w/ SOME F-M SAND, D. GREY, MOIST, SOFT 1.5-2' BGS.; CLAY w/ LITTLE SILT, TRACE F-SAND, BROWN, MOIST, SOFT	
SB-165-2	0-2		1520				SAME AS ABOVE	

SOIL BORING LOG

Boring No.: SB-168

Sheet: 1 of

Project Name: ASHLAND
Project Number: 0N0E0000
Project Location: SAVANNAH, GA

Date Started: 10/25/17
Date Completed: 10/25/17

Logger: M. CREECH
Editor:
Weather Conditions: CLEAR, 63°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-168-1	0-2		1010				0-0.2' BGS: GRASS/ORGANIC MATERIAL 0.2-2' BGS: SILT AND SOME CLAY, TRACE VF SAND, D. BROWN, LOW PLASTICITY MOIST, SOFT	
SB-168-2	0-2		1050				0-0.2' BGS: GRASS/ORGANIC MATERIAL 0.2-2' BGS: CLAY W/ SOME SILT, TRACE VF SAND, D. BROWN, MED. PLASTICITY, MOIST, SOFT	
SB-168-3	0-2		1100				0-0.2' BGS: GRASS/ORGANIC MATERIAL 0.2-2' BGS: CLAY W/ SILT AND SOME VF-F SAND, MED/LOW PLASTICITY, BROWN/GREY, MOIST, SOFT	

SOIL BORING LOG

Boring No.: SB-189

Sheet: 1 of

Project Name: ASHLAND
Project Number: OHO10000
Project Location: SAVANNAH, GA

Date Started: 10/24/17
Date Completed: 10/25/17

Logger: M. CREEL
Editor:
Weather Conditions: CLEAR, 63°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-189-1	0-2		1110				0.0-0.2' BGS: GRASS / ORGANIC MATERIAL 0.2-2' BGS: SILT W/ LITTLE CLAY AND LITTLE VF SAND, L. BROWN, MOIST, SOFT	
SB-189-2	0-2		1120				SAME AS ABOVE (SAA) GROUNDWATER ENCOUNTERED @ ~1.5' BGS	
SB-189-3	0-2		1130				SAA	

SOIL BORING LOG

Boring No.: SB-198

Sheet: 1 of

Project Name: ASHLAND
Project Number: ONO10000
Project Location: SAVANNAH, GA

Date Started: 10/25/17
Date Completed: 10/25/17
Logger: M. STEEG
Editor:
Weather Conditions: CLEAR, 78°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-198-1	0-2		1445				0-1' BGS: SILT W/ LITTLE CLAY, TRACE VF-F SAND, D. GREY, MOIST, SOFT 1-2' BGS: CLAY W/ LITTLE SILT, TRACE VF SAND, BROWN/GREY, MOIST, SOFT	
SB-198-2	0-2		1450				0-1' BGS: SILT W/ LITTLE CLAY, TRACE VF-F SAND, D. GREY, MOIST, SOFT 1-2' BGS: M-C SAND, LITTLE SILT, L. BROWN, MOIST, SOFT	

SOIL BORING LOG

Boring No.: SB-202

Sheet: 1 of

Project Name:	ASHLAND	Date Started: 10/24/17	Logger: M. CREEL
Project Number:	OHO10000	Date Completed: 10/24/17	Editor:
Project Location:	SAVANNAH, GA	Weather Conditions:	CLEAR 70°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-202-1	0-2		1425	DUP-1			0-0.2' BGS: GRASS / ORGANIC MATERIAL 0.2-2' BGS: SILT W/ SOME CLAY, D. BROWN, MED. PLASTICITY, MOIST, SOFT	
SB-202-2	0-2		1435				0-0.2' BGS: GRASS / ORGANIC MATERIAL 0.2-2' BGS: SILT W/ SOME F-M SAND, LITTLE CLAY, LOW PLASTICITY, MOIST, SOFT, D. BROWN / GREY	

SOIL BORING LOG

Boring No.: SB-204

Sheet: 1 of:

Project Name:	ASHLAND	Date Started: 10/26/17	Logger: M. CREEL
Project Number:	0410000	Date Completed: 10/26/17	Editor:
Project Location:	SAVANNAH, GA	Weather Conditions:	CLEAR, 75°F

	Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
SB-204-1	0-2		1500		NS/NS	SD	0-1' BGS: SILT W/ SOME VF-F SAND, D. BROWN, MOIST, SOFT 1-2' BGS: VF-F SAND, LITTLE SILT, L. BROWN, MOIST, SOFT	
SB-204-2	0-2		1510				SILT W/ SOME F-M SAND, LITTLE CLAY, D. BROWN, MOIST, SOFT	
SB-204-3	0-2		1520				M-C SAND, LITTLE SILT, LITTLE CLAY, BROWN, MOIST, LOOSE	
SB-207-1	0-2		1530				0-0.5' BGS: ASPHALT 0.5-2' BGS: SILT W/ SOME F-M SAND, LITTLE CLAY, D. BROWN, MOIST SOFT	
SB-207-2	0-2		1540				SILT W/ SOME F-M SAND, LITTLE CLAY, D. BROWN, MOIST, SOFT	
SB-207-3	0-2		1550				SAME AS ABOVE	

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SOIL BORING LOG

Boring No.:

Sheet: 1 of 2

Project Name: ASHLAND SAVANNAH
Project Number: OH01000.GA61
Project Location: SAVANNAH, GA

Date Started: 12/29/17
Date Completed: 12/29/17

Logger: M. CREEL
Editor:
Weather Conditions: CLEAR, ~40°F

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
	INTERVAL						
SB-204-1A	0-2	1210				SILT W/ SOME F-M SAND, LITTLE CLAY, BROWN, MOIST, SOFT	MS/MSD
SB-204-1B	0-2	1155				SILT W/ LITTLE CLAY, LITTLE VF SAND, D. BROWN, MOIST, SOFT	
SB-204-2A	0-2	1220 ~~1200~~					DUP-1
SB-202-1B ~~SB-202-2B~~	0-2	1045				SILT W/ SOME CLAY, BROWN, MED. PLASTICITY, MOIST	
SB-204-3A	0-2	1200				SAME AS 204-1B	
SB-204-3B	0-2	1215				SILT W/ SOME F-M SAND, LITTLE CLAY, D. BROWN	
SB-137-1A	0-1	1050				SILT W/ CLAY, RED/BROWN, MOIST/WET, SOFT	
~~SB-137-1B~~	0-1					NO POTENTIAL LOCATIONS	
SB-202-1A	0-2	1105				CLAY W/ SOME SILT, LITTLE F-M SAND, D. BROWN, MOIST, SOFT REFUSAL @ 1' BGS	~~DUP-1~~
SB-204-2B ~~SB-202-1B~~	0-2	1200					

Drilling Co.:
Driller:
Drilling Method:
Drilling Fluid:
Remarks:

Sampling Method:
Sampling Interval:
Water Level Start:
Water Level Finish:
Converted to Well: ☐ Yes ☐ No
Surface Elev:
North Coor:
East Coor:

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SOIL BORING LOG

Boring No.:

Sheet: 2 of 2

Project Name: Date Started: Logger:
Project Number: Date Completed: Editor:
Project Location: Weather Conditions:

Depth (feet)	Blow Counts (Interval)	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
DS-9-2A	0-4	1120				SAND (M-C) W/ SOME SILT, L. BROWN MOIST	MS/MSD
DS-9-2B	0-4	1115				SAND W/ SOME SILT, L. BROWN, (M-C) MOIST	
EX-21-1A	0-2	1140				SILT W/ SOME CLAY, LITTLE SAND, D. BROWN, MOIST, SOFT	
EX-21-1B	0-2	1245					
SB-128-1A	0-1	1000				CLAY W/ SOME SILT, LITTLE SAND, L. GREY, MOIST / WET, SOFT	DVP-2
SB-128-1B	0-1	1010				SILT W/ LITTLE CLAY, BROWN, MOIST, SOFT	
SB-159-3A	0-2	1075				SILT W/ LITTLE CLAY, BROWN, LOW PLASTICITY, MOIST, SOFT	
SB-159-3B	0-2	1020				SILT W/ SOME CLAY, ORANGE/BROWN, MED. PLASTICITY, MOIST, SOFT	

Drilling Co.:
Driller:
Drilling Method:
Drilling Fluid:
Remarks:

Sampling Method:
Sampling Interval:
Water Level Start:
Water Level Finish:
Converted to Well: ☐ Yes ☐ No
Surface Elev:
North Coor:
East Coor:

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SOIL BORING LOG

Boring No.: TMW-18

Sheet : 1 of 1

Project Name:	Hercules Savannah Resins Plant	Date Started:	10/26/2017	Logger:	M. Creel
Project Number:	OH010000.GA61	Date Completed:	10/26/2017	Editor:	
Project Location:	3000 Louisville Rd, Savannah, GA			Weather Conditions:	Clear, 55ºF

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
2						0 - 5 ft bgs: Hand Auger Silt w/some firm sand, little clay, moist, soft, grey	Grout
4						SAA	
6						SAA	Bentonite
8						SAA Inorganic wood chips @~9 ft bgs (~4-inch layer)	Filter Pack Sand
10						Clay, little silt, trace fine sand, med/high	
12						plasticity, dk brown	
14						Firm sand w/some silt, little clay, lt grey	
						END DRILLING @ 15 FT BGS	

Drilling Co.:	Cascade Drilling	Sampling Method:	
Driller:	Ray Whitt	Sampling Interval:	
Drilling Method:	Sonic Coring	Water Level Start:	
Drilling Fluid:		Water Level Finish:	
Remarks:	Well was developed on 10/27/17	Converted to Well:	☑ Yes ☐ No
		Surface Elev:	
		North Coordinate:	760873.66
		East Coordinate:	972077.41

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SOIL BORING LOG

Boring No.: TMW-19

Sheet : 1 of 1

Project Name:	Hercules Savannah Resins Plant	Date Started:	10/26/2017	Logger:	M. Creel
Project Number:	OH010000.GA61	Date Completed:	10/26/2017	Editor:	
Project Location:	3000 Louisville Rd, Savannah, GA			Weather Conditions:	Clear, 55ºF

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
2						0 - 5 ft bgs: Hand Auger Grass/organic material Very fine to fine sand w/some silt, little clay, lt brown, moist, soft	Grout
4						SAA	
6						Clay, trace fine sand, grey, high plasticity, firm, moist	Bentonite
8						SAA	Filter Pack Sand
10						SAA	
12						SAA	
14						Some pebble sized quartz fragments (14-15 ft)	
						END DRILLING @ 15 FT BGS	

Drilling Co.:	Cascade Drilling	Sampling Method:	
Driller:	Ray Whitt	Sampling Interval:	
Drilling Method:	Sonic Coring	Water Level Start:	
Drilling Fluid:		Water Level Finish:	
Remarks:	Well was developed on 10/27/17	Converted to Well:	☑ Yes ☐ No
		Surface Elev:	
		North Coordinate:	760825.42
		East Coordinate:	971826.08

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SOIL BORING LOG

Boring No.: TMW-20

Sheet : 1 of 1

Project Name:	Hercules Savannah Resins Plant	Date Started:	10/26/2017	Logger:	M. Creel
Project Number:	OH010000.GA61	Date Completed:	10/26/2017	Editor:	
Project Location:	3000 Louisville Rd, Savannah, GA			Weather Conditions:	Clear, 55ºF

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
2						0 - 5 ft bgs: Hand Auger Grass/organic material Silt w/some firm sand, little clay, dk brown, moist, soft	Grout
4						Clay, w/little silt, trace fine sand, mottled, brown/grey, med/high plasticity, moist, firm	
6						SAA	Bentonite
8						SAA	Filter Pack Sand
10						SAA	
12						SAA	
14						SAA	
						END DRILLING @ 15 FT BGS	

Drilling Co.:	Cascade Drilling	Sampling Method:	
Driller:	Ray Whitt	Sampling Interval:	
Drilling Method:	Sonic Coring	Water Level Start:	
Drilling Fluid:		Water Level Finish:	
Remarks:	Well was developed on 10/27/17	Converted to Well:	☑ Yes ☐ No
		Surface Elev:	
		North Coordinate:	760999.49
		East Coordinate:	971212.86

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SOIL BORING LOG

Boring No.: TMW-21

Sheet : 1 of 1

Project Name:	Hercules Savannah Resins Plant	Date Started:	10/26/2017	Logger:	M. Creel
Project Number:	OH010000.GA61	Date Completed:	10/26/2017	Editor:	
Project Location:	3000 Louisville Rd, Savannah, GA			Weather Conditions:	Clear, 55ºF

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
2						0 - 5 ft bgs: Hand Auger Grass/organic material Silt w/some firm sand and some clay, dk brown, moist, soft	Grout
4						Clay w/little silt, trace very fine to fine sand, brown/grey, med/high plasticity, moist, soft	
6						SAA	Bentonite
8						SAA	Filter Pack Sand
10						Fine to coarse sand, little silt, tan, moist/wet	
12						SAA	
14						SAA	
						END DRILLING @ 15 FT BGS	

Drilling Co.:	Cascade Drilling	Sampling Method:	
Driller:	Ray Whitt	Sampling Interval:	
Drilling Method:	Sonic Coring	Water Level Start:	
Drilling Fluid:		Water Level Finish:	
Remarks:	Well was developed on 10/27/17	Converted to Well:	☑ Yes ☐ No
		Surface Elev:	
		North Coordinate:	761053.26
		East Coordinate:	971090.31

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SOIL BORING LOG

Boring No.: TMW-22

Sheet : 1 of 1

Project Name:	Hercules Savannah Resins Plant	Date Started:	10/26/2017	Logger:	M. Creel
Project Number:	OH010000.GA61	Date Completed:	10/26/2017	Editor:	
Project Location:	3000 Louisville Rd, Savannah, GA			Weather Conditions:	Clear, 55ºF

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
2						0 - 0.5 ft bgs: Concrete 0.5 - 3 ft bgs: No Recovery Silt w/some clay, trace fine sand, dk brown	Grout
4						moist, soft	
6						SAA	Bentonite
8						Silt w/some very fine to fine sand, lt grey, moist/wet	Filter Pack Sand
10						SAA	
12						SAA	
14						SAA	
						END DRILLING @ 15 FT BGS	

Drilling Co.:	Cascade Drilling	Sampling Method:	
Driller:	Ray Whitt	Sampling Interval:	
Drilling Method:	Sonic Coring	Water Level Start:	
Drilling Fluid:		Water Level Finish:	
Remarks:	Well was developed on 10/27/17	Converted to Well:	☑ Yes ☐ No
		Surface Elev:	
		North Coordinate:	761313.15
		East Coordinate:	970717.98

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SOIL BORING LOG

Boring No.: TMW-23

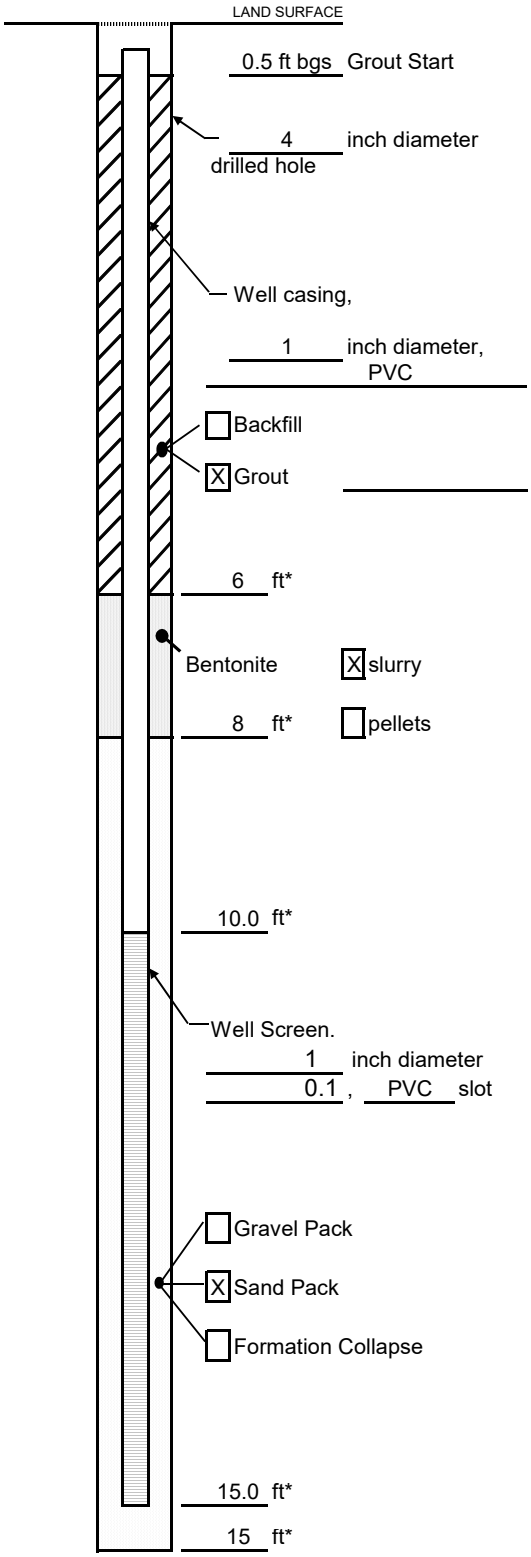
Sheet : 1 of 1

Project Name:	Hercules Savannah Resins Plant	Date Started:	10/26/2017	Logger:	M. Creel
Project Number:	OH010000.GA61	Date Completed:	10/26/2017	Editor:	
Project Location:	3000 Louisville Rd, Savannah, GA			Weather Conditions:	Clear, 55ºF

Depth (feet)	Blow Counts	Sample ID & Time	Recovery (in.)	PID (ppm)	USCS Class.	Description	Construction Details
2						0 - 0.4 ft bgs: Concrete 0.4 - 3 ft bgs: No Recovery	Grout
4						Silt w/some clay, little fine to med sand, dk brown, moist, soft	
6						SAA	Bentonite
8						SAA	Filter Pack Sand
10						SAA	
12						Clay w/some silt, little very fine to fine sand, moist, soft, grey	
14						SAA	
						END DRILLING @ 15 FT BGS	

Drilling Co.:	Cascade Drilling	Sampling Method:	
Driller:	Ray Whitt	Sampling Interval:	
Drilling Method:	Sonic Coring	Water Level Start:	
Drilling Fluid:		Water Level Finish:	
Remarks:	Well was developed on 10/27/17	Converted to Well:	☑ Yes ☐ No
		Surface Elev:	
		North Coordinate:	761112.17
		East Coordinate:	971511.55

WELL CONSTRUCTION LOG
(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project: Hercules Savannah Resins Plant Well: TMW-18

Town/City: Savannah

County: Chatham State: GA

Permit No.:

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed ☐ Estimated

Installation Date(s): 10/26/2017

Drilling Method: Sonic Coring

Drilling Contractor: Cascade Drilling

Drilling Fluid:

Development Technique(s) and Date(s)

10/27/2017

Fluid Loss During Drilling: _____ gallons

Water Removed During Development: _____ gallons

Static Depth to Water: _____ feet below M.P.

Pumping Depth to Water: _____ feet below M.P.

Pumping Duration: _____ hours

Yield: _____ gpm Date: _____

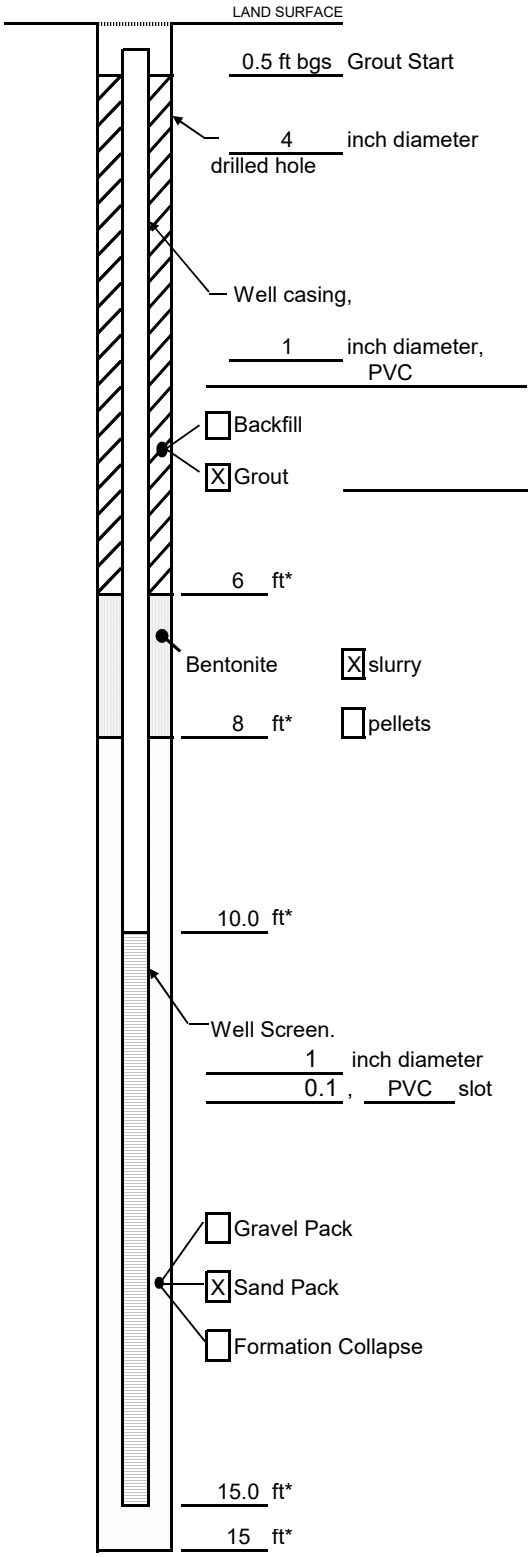
Specific Capacity: _____ gpm/ft

Well Purpose: Temporary well

Remarks: Flush mount

Prepared by: M. Creel

WELL CONSTRUCTION LOG
(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project: Hercules Savannah Resins Plant Well: TMW-19

Town/City: Savannah

County: Chatham State: GA

Permit No.:

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed ☐ Estimated

Installation Date(s): 10/26/2017

Drilling Method: Sonic Coring

Drilling Contractor: Cascade Drilling

Drilling Fluid:

Development Technique(s) and Date(s)

10/27/2017

Fluid Loss During Drilling: _____ gallons

Water Removed During Development: _____ gallons

Static Depth to Water: _____ feet below M.P.

Pumping Depth to Water: _____ feet below M.P.

Pumping Duration: _____ hours

Yield: _____ gpm Date: _____

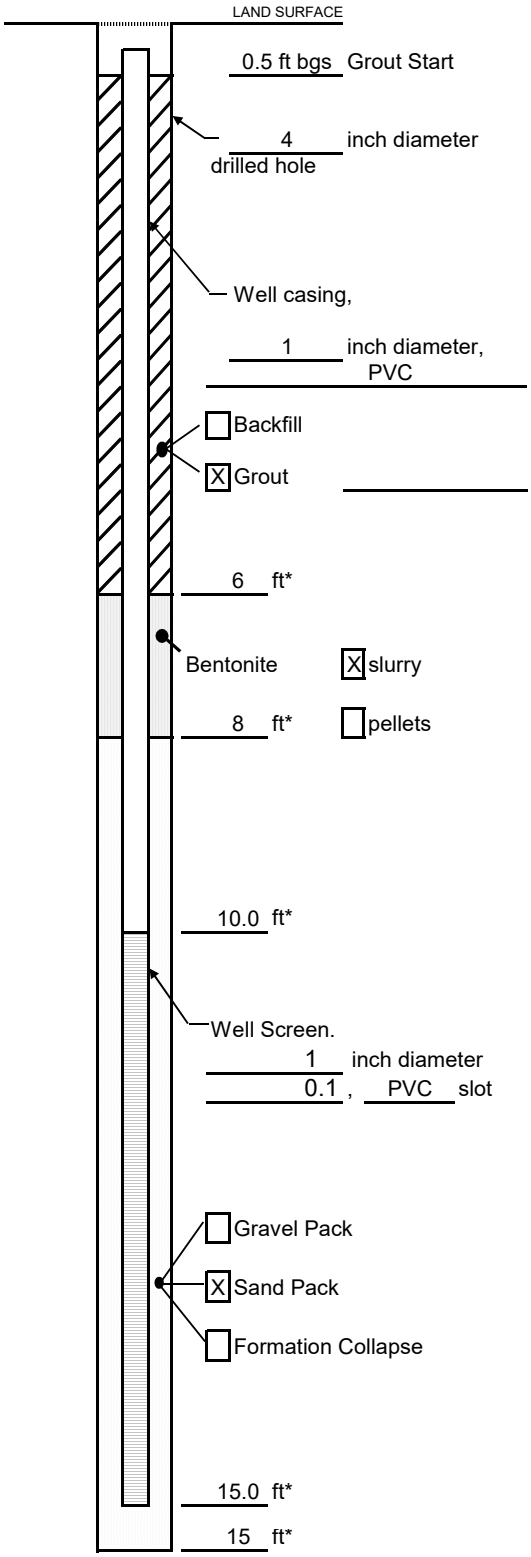
Specific Capacity: _____ gpm/ft

Well Purpose: Temporary well

Remarks: Flush mount

Prepared by: M. Creel

WELL CONSTRUCTION LOG
(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project: Hercules Savannah Resins Plant Well: TMW-20

Town/City: Savannah

County: Chatham State: GA

Permit No.:

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed ☐ Estimated

Installation Date(s): 10/26/2017

Drilling Method: Sonic Coring

Drilling Contractor: Cascade Drilling

Drilling Fluid:

Development Technique(s) and Date(s)

10/27/2017

Fluid Loss During Drilling: _____ gallons

Water Removed During Development: _____ gallons

Static Depth to Water: _____ feet below M.P.

Pumping Depth to Water: _____ feet below M.P.

Pumping Duration: _____ hours

Yield: _____ gpm Date: _____

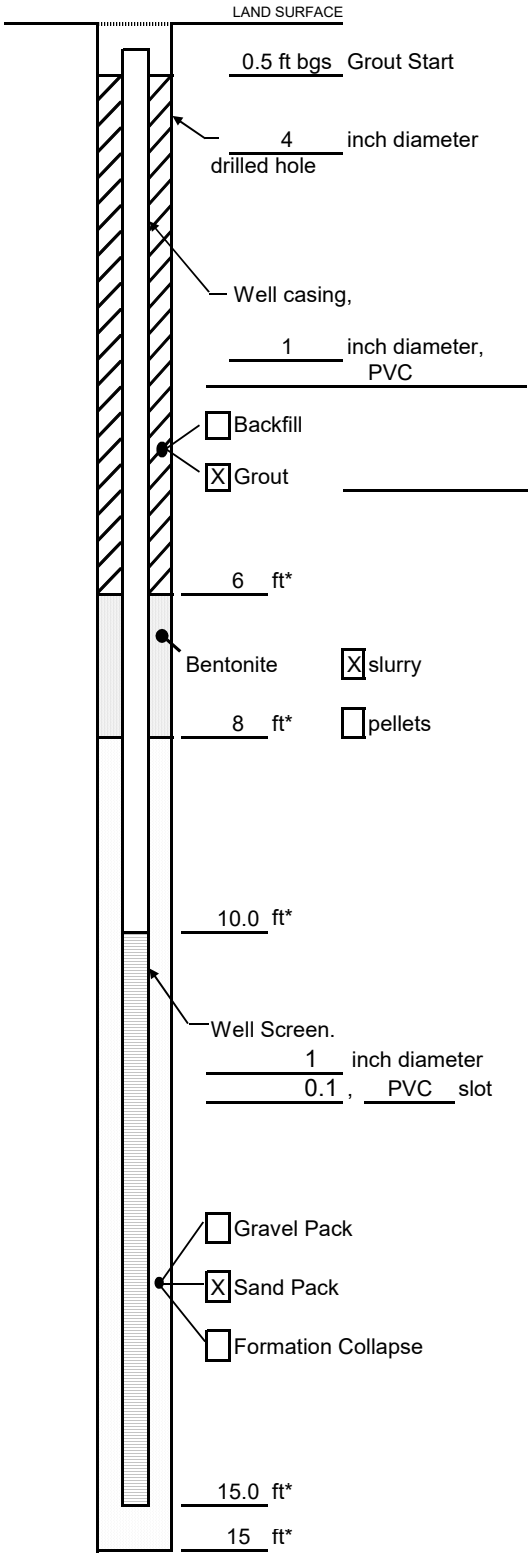
Specific Capacity: _____ gpm/ft

Well Purpose: Temporary well

Remarks: Flush mount

Prepared by: M. Creel

WELL CONSTRUCTION LOG
(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project: Hercules Savannah Resins Plant Well: TMW-21

Town/City: Savannah

County: Chatham State: GA

Permit No.:

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed ☐ Estimated

Installation Date(s): 10/26/2017

Drilling Method: Sonic Coring

Drilling Contractor: Cascade Drilling

Drilling Fluid:

Development Technique(s) and Date(s)

10/27/2017

Fluid Loss During Drilling: _____ gallons

Water Removed During Development: _____ gallons

Static Depth to Water: _____ feet below M.P.

Pumping Depth to Water: _____ feet below M.P.

Pumping Duration: _____ hours

Yield: _____ gpm Date: _____

Specific Capacity: _____ gpm/ft

Well Purpose: Temporary well

Remarks: Flush mount

Prepared by: M. Creel

WELL CONSTRUCTION LOG
(Unconsolidated)

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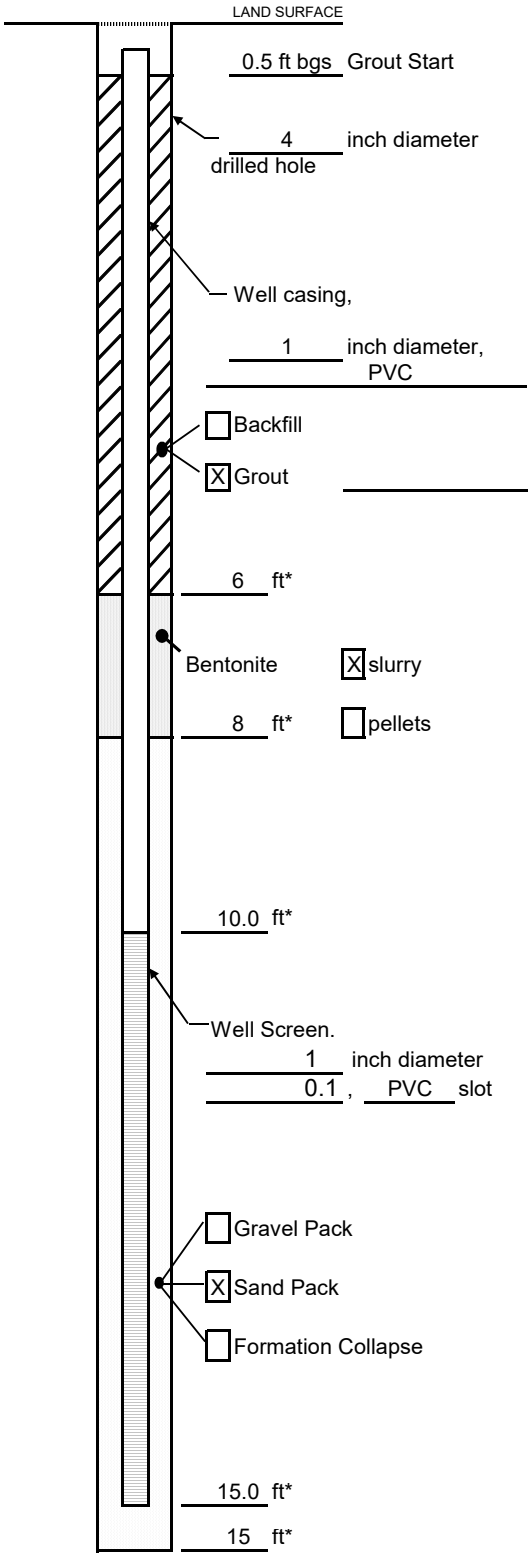


Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project: Hercules Savannah Resins Plant Well: TMW-22

Town/City: Savannah

County: Chatham State: GA

Permit No.:

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed ☐ Estimated

Installation Date(s): 10/26/2017

Drilling Method: Sonic Coring

Drilling Contractor: Cascade Drilling

Drilling Fluid:

Development Technique(s) and Date(s)

10/27/2017

Fluid Loss During Drilling: _____ gallons

Water Removed During Development: _____ gallons

Static Depth to Water: _____ feet below M.P.

Pumping Depth to Water: _____ feet below M.P.

Pumping Duration: _____ hours

Yield: _____ gpm Date: _____

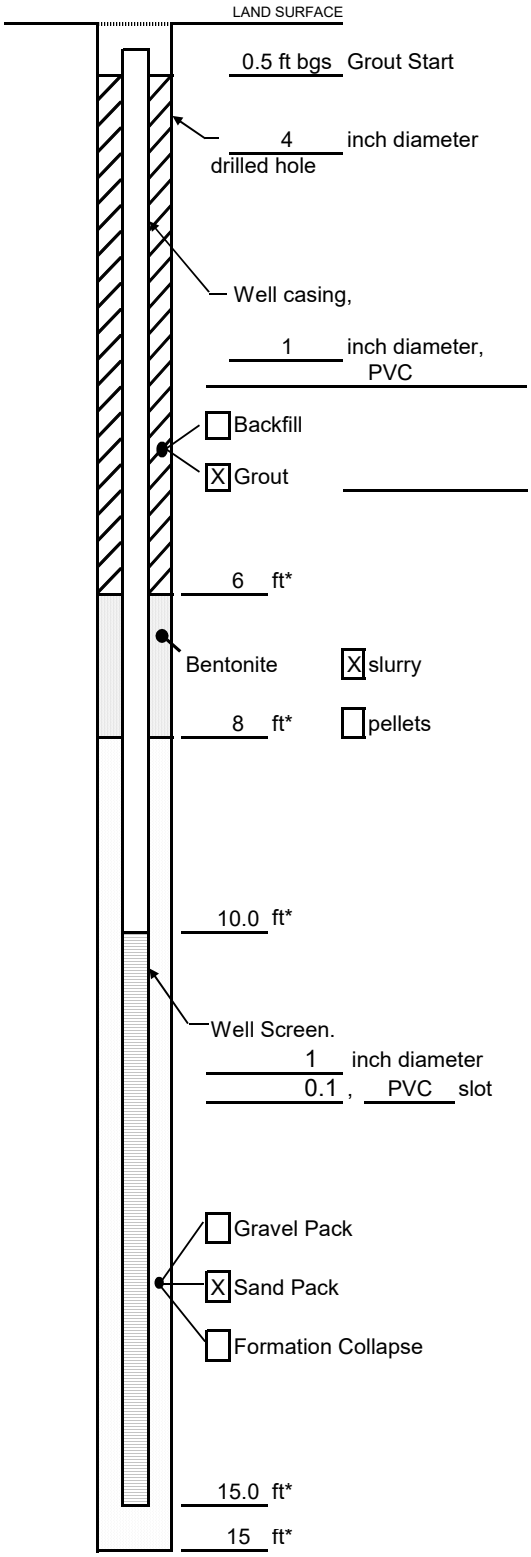
Specific Capacity: _____ gpm/ft

Well Purpose: Temporary well

Remarks: Flush mount

Prepared by: M. Creel

WELL CONSTRUCTION LOG
(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.
* Depth Below Land Surface

Project: Hercules Savannah Resins Plant Well: TMW-23

Town/City: Savannah

County: Chatham State: GA

Permit No.:

Land-Surface (LS) Elevation and Datum:

_____ feet ☐ Surveyed ☐ Estimated

Installation Date(s): 10/26/2017

Drilling Method: Sonic Coring

Drilling Contractor: Cascade Drilling

Drilling Fluid:

Development Technique(s) and Date(s)

10/27/2017

Fluid Loss During Drilling: _____ gallons

Water Removed During Development: _____ gallons

Static Depth to Water: _____ feet below M.P.

Pumping Depth to Water: _____ feet below M.P.

Pumping Duration: _____ hours

Yield: _____ gpm Date: _____

Specific Capacity: _____ gpm/ft

Well Purpose: Temporary well

Remarks: Flush mount

Prepared by: M. Creel

ARCADIS

GROUNDWATER LEVEL MEASUREMENTS

Hercules Savannah Facility

Completed by: M. CREEL

Weather: SCATTERED SHOWERS 40-50°F

Well ID	Screened Interval (ft bgs)	Well Completion	Date	Time	Protective Casing Damaged Yes (Y) / No (N)	Well Locked Yes (Y) / No (N)	Water Level Measurement (ft btoc)	Comments
MW-F1	10-20	Stick-up	12/27/17	1502	Y / N	Y / N	4.06	
MW-F2	5-10	FLUSH		1525	Y / N	Y / N	4.90	
MW-F3R	10-20	Stick-up		1014	Y / N	Y / N	6.82	
MW-F5	10-20	Stick-up		1140	Y / N	Y / N	5.69	
MW-F6	10-20	Flush		1147	Y / N	Y / N	3.00	
MW-F7	10-20	Stick-up		1005	Y / N	Y / N	5.27	
MW-F8	10-20	Stick-up		1025	Y / N	Y / N	4.76	HINGE ON LID BROKEN
MW-F9	10-20	FLUSH		1238	Y / N	Y / N	3.54	
MW-F11	10-20	Flush		1220	Y / N	Y / N	2.35	
MW-F12	10-20	Flush		1207	Y / N	Y / N	2.70	
MW-F13	10-20	Stick-up		1333	Y / N	Y / N	9.73	
MW-F14	10-20	Stick-up		1317	Y / N	Y / N	2.42	HINGE ON LID BROKEN
MW-F15	10-20	Flush		1255	Y / N	Y / N	4.13	
MW-F16	10-20	Stick-up		1320	Y / N	Y / N	2.11	
MW-F17	10-20	Stick-up		1030	Y / N	Y / N	5.51	
MW-F19	10-20	Stick-up		1450	Y / N	Y / N	4.18	HINGE ON LID BROKEN
MW-F21	10-20	Stick-up		1018	Y / N	Y / N	5.90	
MW-22	10-20	Stick-up		1508	Y / N	Y / N	2.67	HINGE ON LID BROKEN
MW-23	10-20	Stick-up		1506	Y / N	Y / N	5.82	HINGE ON LID BROKEN
MW-24	10-20	Stick-up		1456	Y / N	Y / N	4.38	HINGE ON LID BROKEN
MW-25	10-20	Stick-up		1325	Y / N	Y / N	5.30	HINGE ON LID BROKEN
MW-26	10-20	Stick-up		1041	Y / N	Y / N	8.45	
MW-27	10-20	Flush		0934	Y / N	Y / N	2.13	
MW-29	10-20	Stick-up		1011	Y / N	Y / N	4.90	
MW-32	10-20	Stick-up	12/28/17	1005	Y / N	Y / N	2.63	
TMW-18 (TW-1)	10-15	FLUSH	12/27/17	0940	Y / N	Y / N	2.57	
TMW-19 (TW-2)	10-15	FLUSH		0946	Y / N	Y / N	3.46	
TMW-20 (TW-3)	10-15	FLUSH		1036	Y / N	Y / N	5.27	
TMW-21 (TW-4)	10-15	FLUSH		1045	Y / N	Y / N	5.45	
TMW-22 (TW-5)	10-15	FLUSH		1049	Y / N	Y / N	7.58	
TMW-23 (TW-6)	10-15	FLUSH		1054	Y / N	Y / N	2.56	
Deep Monitoring Wells								
MWD-22	40-50	Stick-up		1510	Y / N	Y / N	2.97	HINGE ON LID BROKEN
MWD-23	40-50	Stick-up		1504	Y / N	Y / N	6.99	HINGE ON LID BROKEN
MWD-24	40-50	Stick-up		1456	Y / N	Y / N	4.19	
MWD-25	40-50	Stick-up		1324	Y / N	Y / N	5.17	
MWD-26	40-50	Flush		0930	Y / N	Y / N	2.90	
MWD-29	40-50	Stick-up		1009	Y / N	Y / N	6.59	
MWD-30	40-50	Stick-up		1016	Y / N	Y / N	7.96	
MWD-F1	80-100	Stick-up		1512	Y / N	Y / N	29.92	HINGE ON LID BROKEN
MWD-F2	80-100	Stick-up		1453	Y / N	Y / N	21.14	
MWD-F3	67-87	Stick-up		1033	Y / N	Y / N	16.96	

ft btoc = feet below top of casing

GROUNDWATER SAMPLING LOG

Page 1 of 1

Project No. OH010000.GA61.00300 Well ID MW-F3R Date 12/28/17

Project Name/Location Ashland Savannah Weather CLOUDY, 45°F

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-20 Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 6.84 Total Depth (ft-bmp) 20 Water Column/ Gallons in Well 13.16 ft 2.11 GAL

MP Elevation ___ Pump Intake (ft-bmp) 15 Purge Method: Centrifugal ___ Submersible ___ Other Peristaltic X Sample Method Low Flow

Pump On/Off 1230/1402 Volumes Purged ___

Sample Time: Label 1400 Start 1357 End 1402 Replicate/ Code No. N/A Sampled by M. EIBL

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1331	1	300	6.85	<0.1	7.06	0.720	10.7	2.57	16.5	-98.0	CLEAR	NONE
1335	5	↓	6.85	0.4	6.89	0.730	15.8	1.00	17.7	-93.7	↓	↓
1340	10	↓	6.85	0.8	6.85	0.740	6.87	0.82	18.2	-94.7	↓	↓
1345	15	↓	6.85	1.2	6.82	0.740	5.97	0.21	18.2	-96.8	↓	↓
1350	20	↓	6.85	1.6	6.81	0.740	4.61	0.15	18.5	-102.2	↓	↓
1355	25	↓	6.85	2.0	6.80	0.740	3.34	0.16	18.5	-103.3	↓	↓

Constituents Sampled	Container	Number	Preservative
Aroclors & Congeners (8082A, 1262, 1268, 1668B)	1 L AMBER	2	NONE

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

Well Information

Well Location: ___ Well Locked at Arrival: Yes / No

Condition of Well: GOOD Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well: ___

GROUNDWATER SAMPLING LOG

Project No. OH010000.GA61.00300 Well ID MW-F5 Date 12-27-17

Project Name/Location Ashland Savannah Weather 50°F / Cloudy

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-20 Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 5.94 Total Depth (ft-bmp) Water Column/ Gallons in Well NA

MP Elevation NA Pump Intake (ft-bmp) 15 Purge Method: Centrifugal / Submersible / Other Peristaltic X Sample Method Low Flow

Pump On/Off 1600 / 1635 Volumes Purged NA

Sample Time: Label 1630 Start 1626 End 1632 Replicate/ Code No. NA Sampled by J. Ketchum

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1610	10	150	6.00	0.5	6.82	0.592	4.08	0.21	19.5	-152.0	clear	No *
1615	15	↓	6.00	0.7	6.84	0.570	2.01	0.16	19.5	-152.2	"	"
1620	20		5.99	0.9	6.88	0.523	1.29	0.13	19.9	-149.1	"	"
1625	25		6.00	1.1	6.88	0.518	1.01	0.14	19.9	-148.7	"	"

Constituents Sampled	Container	Number	Preservative
VOCs (8260B)	40 mL VOA Vial	3	HCl
SVOCs (8270C)	1 L Amber	2	None

Notes: * Bits of orange (tiny) flowing through tubing every few mins.

Well Casing Volumes

Gallons/Foot				
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: Well Locked at Arrival: Yes / No

Condition of Well: GOOD Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Project No. OH010000.GA61.00300 Well ID MW-F7 Date 12-27-17

Project Name/Location Ashland Savannah Weather 47°F / Raining

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-20 Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 5.31 Total Depth (ft-bmp) Water Column/ Gallons in Well NA

MP Elevation NA Pump Intake (ft-bmp) 15 Purge Method: Centrifugal ___ Submersible ___ Other Peristaltic X Sample Method Low Flow

Pump On/Off 1125/1155 Volumes Purged NA

Sample Time: Label 1150 Start 1147 End 1152 Replicate/ Code No. NA Sampled by J. Ketchum

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1135	10	230	5.31	0.9	4.83	0.206	15.4	0.43	19.8	323.4	clear	yes
1140	15	↓	5.42	1.2	4.84	0.214	6.63	0.44	18.6	323.9	clear	yes
1145	20		5.45	1.5	4.84	0.217	4.54	0.43	18.1	325.0	clear	yes

Constituents Sampled	Container	Number	Preservative
VOCs (8260B)	40 mL VOA	3	HCl
SVOCs (8270C)	1 L Amber	2	None

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: Well Locked at Arrival: Yes / No

Condition of Well: GOOD Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Project No. OH010000.GA61.00300 Well ID MW-F15 Date 12-28-17

Project Name/Location Ashland Savannah Weather 45°F/cloudy

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-20 Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 4.27 Total Depth (ft-bmp) Water Column/ Gallons in Well NA

MP Elevation NA Pump Intake (ft-bmp) 15 Purge Method: Centrifugal / Submersible / Other Peristaltic X Sample Method Low Flow

Pump On/Off 1310/1340 Volumes Purged NA

Sample Time: Label 1335 Start 1331 End 1336 Replicate/ Code No. NA Sampled by J. Ketchum

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1320	10	300	5.10	0.6	6.69	0.97	1.27	0.12	19.0	-52.0	clear	yes
1325	15	↓	5.11	1.0	6.72	0.95	0.96	0.10	19.6	-59.6	clear	yes
1330	20	↓	5.11	1.4	6.73	0.94	0.98	0.10	19.7	-60.6	"	"

Constituents Sampled	Container	Number	Preservative
Benzene (8260B)	40 mL VOA Vial	3	HCl
ACM (Asbestos) (600-R-93-116)	1 L Plastic	1	None

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: Fenced in area behind plant / Locked, need keys Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Page 1 of ____

Project No. OH010000.GA61.00300 Well ID MW-F21 Date 12-27-17

Project Name/Location Ashland Savannah Weather 45°F Cloudy

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-20 Casing Diameter (in.) 2 Well Material X PVC ____ SS

Static Water Level (ft-bmp) 5.96 Total Depth (ft-bmp) ____ Water Column/ Gallons in Well NA

MP Elevation NA Pump Intake (ft-bmp) 15 Purge Method: ____ Centrifugal ____ Submersible ____ Other Peristaltic X Sample Method Low Flow

Pump On/Off 1425/1500 Volumes Purged NA

Sample Time: Label 1455 Start 1451 End 1456 Replicate/ Code No. NA Sampled by J. Ketchum

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1435	10	200	6.67	0.8	5.91	0.312	2.70	0.18	20.6	-47.8	Clear	No
1440	15	↓	6.70	1.1	5.91	0.311	1.71	0.13	20.5	-54.4	clear	No
1445	20		6.70	1.3	5.91	0.312	1.42	0.13	20.6	-55.5	clear	No
1450	25		6.71	1.6	5.90	0.310	1.06	0.12	20.5	-57.2	clear	No

Constituents Sampled	Container	Number	Preservative
VOCs (8260B)	40 mL VOA Vial	3	HCl
SVOCs (8270C)	1 L Amber	2	None

Well Casing Volumes

Gallons/Foot				
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: ____ Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well: ____

GROUNDWATER SAMPLING LOG

Project No. OH010000.GA61.00300 Well ID MW-27 Date 12-27-17

Project Name/Location Ashland Savannah Weather 47°F/Rainy

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-20 Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 2.22 Total Depth (ft-bmp) 19.9 Water Column/ Gallons in Well NA

MP Elevation NA Pump Intake (ft-bmp) 15 Purge Method: Centrifugal ___ Submersible ___ Other Peristaltic X Sample Method Low Flow

Pump On/Off 0955/1100 Volumes Purged NA

Sample Time: Label 1055 Start 1051 End 1056 Replicate/ Code No. DUP-01 Sampled by J. Ketchum

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1000	5	340	2.28	0.3	4.65	0.129	*OR	1.78	20.9	295.3	Brown	Yes
1005	10		2.34	0.7	4.66	0.129	OR	1.50	21.0	316.7	"	"
1010	15		2.35	1.1	4.67	0.131	OR	1.33	20.9	320.9	"	"
1015	20		2.34	1.5	4.68	0.133	600	1.24	20.7	326.2	"	"
1020	25		2.34	2.0	4.68	0.132	583	1.17	20.8	328.5	"	"
1025	30		2.34	2.4	4.67	0.131	231	1.17	20.2	333.4	"	"
1030	35		2.34	2.8	4.68	0.134	163	1.22	20.3	334.0	"	"
1035	40		2.37	3.3	4.67	0.131	374	1.18	21.3	338.0	"	"
1040	45		2.34	3.8	4.67	0.133	OR	1.18	20.5	339.4	"	"
1045	50		2.34	4.3	4.68	0.134	OR	1.18	20.3	339.5	"	"
1050	55		2.30	4.8	4.67	0.134	455	1.22	20.2	338.8	"	"

Constituents Sampled	Container	Number	Preservative
VOCs (8260B)	40 mL VOA Vial	3	HCl
SVOCs (8270C)	1 L Amber	2	None

Notes: *OR = overrange

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Project No. OH010000.GA61.00300 Well ID MW-29 Date 12-27-17

Project Name/Location Ashland Savannah Weather 48°F/Rainy

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-20 Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 4.93 Total Depth (ft-bmp) Water Column/ Gallons in Well NA

MP Elevation NA Pump Intake (ft-bmp) 15 Purge Method: Centrifugal ___ Submersible ___ Other Peristaltic X Sample Method Low Flow

Pump On/Off 1215/1310 Volumes Purged NA

Sample Time: Label 1305 Start 1301 End 1306 Replicate/ Code No. NA Sampled by J. Ketchum

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1225	10	280	5.14	0.8	4.83	0.179	58.2	0.58	20.1	321.5	clear	slight
1230	15	↓	5.10	1.3	4.81	0.178	15.4	0.46	19.9	321.6	"	"
1235	20		5.10	1.5	4.82	0.178	33.4	0.43	20.1	320.8	"	"
1240	25		5.10	1.8	4.81	0.178	30.4	0.37	20.1	321.4	"	"
1245	30		5.10	2.1	4.81	0.174	91.1	0.34	20.7	316.6	"	"
1250	35		5.12	2.5	4.81	0.175	37.5	0.33	20.7	312.8	"	"
1255	40		5.11	3.6	4.80	0.174	15.1	0.27	20.9	306.8	"	"
1300	45		5.11	3.4	4.80	0.174	9.2	0.26	20.8	304.7	"	"

Constituents Sampled	Container	Number	Preservative
VOCs (8260B)	40 mL VOA Vials	3	HCl
SVOCs (8270C)	1 L Amber	2	None

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: Well Locked at Arrival: Yes / No

Condition of Well: GOOD Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Project No. OH010000.GA61.00300

Well ID JCK ~~MW-30~~ MWD-30

Date 12-27-17

Project Name/Location Ashland Savannah

Weather 50°F/Cloudy

Measuring Pt. Description TOC

Screen Setting (ft-bmp) 40-50

Casing Diameter (in.) 2

Well Material X PVC ___ SS

Static Water Level (ft-bmp) 7.97

Total Depth (ft-bmp)

Water Column/ Gallons in Well NA

MP Elevation NA

Pump Intake (ft-bmp) 45

Purge Method: Centrifugal ___ Submersible ___ Other Peristaltic X

Sample Method Low Flow

Pump On/Off 1515/1545

Volumes Purged NA

Sample Time: Label 1540 Start 1536 End 1541

Replicate/ Code No. NA

Sampled by J. Ketchum

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor	
1525	10	230	10.89	0.7	7.53	0.246	0.73	0.17	20.5	-140.5	clear	yes	*
1530	15	↓	12.04	1.0	7.56	0.250	0.71	0.14	20.8	-146.2	"	"	**
1535	20		12.20	1.3	7.61	0.261	0.66	0.13	20.6	-147.2	"	"	

Constituents Sampled	Container	Number	Preservative
VOCs (8260B)	40 mL VOA Vial	3	HCl
SVOCs (8270C)	1 L Ambel	2	None

Notes: *Turned pump rate down to try and stabilize WL
** Pump rate near lowest setting, WL still dropping.

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location:

Condition of Well: GOOD

Well Completion: Flush Mount / Stick Up

Well Locked at Arrival: Yes / No

Well Locked at Departure: Yes / No

Key Number To Well:

GROUNDWATER SAMPLING LOG

Page 1 of 1

Project No. OH010000.GA61.00300 Well ID TW-18 Date 12/28/17

Project Name/Location Ashland Savannah Weather CLOUDY, 40°F

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-15 Casing Diameter (in.) 1 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 2.58 Total Depth (ft-bmp) 15 Water Column/ Gallons in Well 12.42 ft 0.49 GAL

MP Elevation ___ Pump Intake (ft-bmp) 13 Purge Method: Centrifugal ___ Submersible ___ Other Peristaltic X Sample Method Low Flow

Pump On/Off 1235/1315 Volumes Purged 1.2 GAL

Sample Time: Label 1300 Start 1259 End 1315 Replicate/ Code No. N/A Sampled by M. EIBL

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1236	1	225	2.58	<0.1	6.46	0.830	4.72	0.54	17.5	-117.1	CLEAR	MODERATE
1240	5	↓	2.60	0.3	6.54	0.850	4.11	0.65	18.4	-130.0	↓	↓
1245	10	↓	2.60	0.6	6.58	0.840	4.11	0.28	19.0	-136.2	↓	↓
1250	15	↓	2.60	0.9	6.61	0.840	6.07	0.24	18.9	-142.2	↓	↓
1255	20	↓	2.60	1.2	6.61	0.840	6.38	0.18	19.1	-145.8	↓	↓

Constituents Sampled	Container	Number	Preservative
PCB (Aroclor 1254) - 8082	1 L AMBER	2	NONE
Total PCBs - 1668	MNE ~~X~~ 1 L AMBER	2	NONE
Dioxins/Furans - 8290	1 L AMBER	2	NONE

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: Dowtherm Unit 2028 Well Locked at Arrival: Yes / No

Condition of Well: GOOD Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Page 1 of 1

Project No. OH010000.GA61.00300 Well ID TW-19 Date 12/28/17

Project Name/Location Ashland Savannah Weather CLOUDY, 45°F

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-15 Casing Diameter (in.) 1 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 3.47 Total Depth (ft-bmp) 15 Water Column/ Gallons in Well 11.53 Ft 0.46 GAL

MP Elevation ___ Pump Intake (ft-bmp) 13 Purge Method: Centrifugal ___ Submersible ___ Other Peristaltic X Sample Method Low Flow

Pump On/Off 1420/1448 Volumes Purged 0.9

Sample Time: Label 1440 Start 1437 End 1448 Replicate/ Code No. N/A Sampled by M. EIBL

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1421	1	225	3.50	<0.1	7.23	0.640	9.88	0.55	16.6	-115.4	NONE	SLIGHT
1425	5	↓	3.50	0.3	7.04	0.580	2.61	0.26	17.1	-121.7	↓	↓
1430	10		3.50	0.6	7.03	0.580	1.71	0.18	17.5	-122.6		
1435	15		3.50	0.9	7.02	0.579	1.16	0.19	17.7	-124.1		

Constituents Sampled	Container	Number	Preservative
PCB (Aroclor 1254) - 8082	1 L AMBER	2	NONE

Well Casing Volumes

Gallons/Foot: 1" = 0.04, 1.25" = 0.06, 1.5" = 0.09, 2" = 0.16, 2.5" = 0.26, 3" = 0.37, 3.5" = 0.50, 4" = 0.65, 6" = 1.47

Well Information

Well Location: Hard Resins Area Well Locked at Arrival: Yes / No

Condition of Well: GOOD Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Page 1 of 1

Project No. OH010000.GA61.00300 Well ID TW-20 Date 12/29/17

Project Name/Location Ashland Savannah Weather CLOUDY, 35°F

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-15 Casing Diameter (in.) 1 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 4.80 Total Depth (ft-bmp) 15 Water Column/ Gallons in Well 10.2 FT 0.4 GAL

MP Elevation ___ Pump Intake (ft-bmp) 13 Purge Method: Centrifugal ___ Submersible ___ Other Peristaltic X Sample Method Low Flow

Pump On/Off 0900/1137 Volumes Purged 0.3

Sample Time: Label 0920 Start 0917 End 1137 Replicate/ Code No. N/A Sampled by M. GIBL

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
0901	1	~~40+~~	7.22	0.1	5.98	0.680	24.3	0.89	14.3	-25.7	CLEAR	SLIGHT
0905	5	75	7.82	0.1	5.87	0.730	27.9	0.71	11.1	-45.0	↓	↓
0910	10	↓	8.21	0.2	5.89	0.690	28.7	0.75	10.8	-43.9		
0915	15	↓	8.76	0.3	5.89	0.680	31.1	0.57	11.0	-47.4		

Constituents Sampled	Container	Number	Preservative
PCB (Aroclor 1254) - 8082	1 L AMBER	2	NONE
Total PCBs - 1668	1 L AMBER	2	NONE
Dioxins/Furans - 8290	1 L AMBER	2	NONE

NOTES:
PUMPED DRY @ 1015 / LET RECHARGE
PUMP BACK ON @ 1120

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: Former Dry Size Area Well Locked at Arrival: Yes / No

Condition of Well: GOOD Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

ARCADIS Design & Consultancy for natural and built assets

GROUNDWATER SAMPLING LOG

Project No. OH010000.GA61.00300 ~~GS028928.0004.00005~~ Well ID TMW-21 Date 1/31/18

Project Name/Location ~~Georgia-Pacific Russellville~~ Ashland Savannah Weather Sunny, 50°F

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-15 Casing Diameter (in.) 1 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 5.68 Total Depth (ft-bmp) ~~10~~ 15 Water Column/ Gallons in Well 0.37

MP Elevation N/A Pump Intake (ft-bmp) 12.5 Purge Method: Centrifugal / Submersible / Other peri-pump Sample Method low-flow

Pump On/Off 1218 Volumes Purged –

Sample Time: Label 1305 Start 1303 End – Replicate/ Code No. N/A Sampled by BM

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1230	12	125	6.86	0.4	7.27	0.403	–	0.12	20.03	-1.8	cloudy	NO
1235	17	150	6.92	0.6	7.11	0.386	–	0.41	20.28	-7.7	cloudy	NO
1240	22	150	6.92	0.8	7.04	0.382	–	0.22	20.54	-15.7	clear	NO
1245	27	150	6.94	1.0	6.98	0.370	–	0.29	20.66	-19.9	( )	( )
1250	32	150	6.94	1.2	6.92	0.362	–	0.05	20.54	-23.9	( )	( )
1255	37	150	6.95	1.4	6.88	0.355	–	0.05	20.52	-21.1	( )	( )
1300	42	150	6.96	1.6	6.84	0.349	–	0.05	20.31	-25.5	( )	( )

Constituents Sampled	Container	Number	Preservative
8081B, 8082A (MOD) Routine PCBs	1 L Amber Glass	2	none
1668C - full list (209 congs/coel)	1 L Amber Glass	4	none
& 8290A - 17 isomers & Totals			

Well Casing Volumes

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

Well Information

Well Location: Sev mon Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Project No. OH010000.GA61.00300 Well ID TW-22 Date 12-28-17

Project Name/Location Ashland Savannah Weather 40°F / Cloudy

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-15 Casing Diameter (in.) 1 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 7.67 Total Depth (ft-bmp) Water Column/ Gallons in Well NA

MP Elevation Pump Intake (ft-bmp) 13 Purge Method: Centrifugal / Submersible / Other / Peristaltic X Sample Method Low Flow

Pump On/Off 1125/1205 Volumes Purged NA

Sample Time: Label 1200 Start 1156 End 1202 Replicate/ Code No. NA Sampled by J. Ketchum

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1135	10	250	8.10	0.5	6.26	0.393	54.6	0.38	21.0	-37.9	clear	yes
1140	15	↓	8.09	0.7	6.21	0.355	20.4	0.24	20.9	-33.7	"	"
1145	20		8.13	1.1	6.13	0.307	8.46	0.12	22.0	-27.1	"	"
1150	25		8.15	1.4	6.15	0.321	8.21	0.11	21.9	-21.7	"	"
1155	30		8.15	1.8	6.15	0.322	7.87	0.11	21.9	-22.0	"	"

Constituents Sampled	Container	Number	Preservative
1,1-Biphenyl - 8270	1 L Amber	2	None

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: Dowtherm Unit 2024 Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Project No. OH010000.GA61.00300 Well ID TMW-22 Date 5/18/22

Project Name/Location Ashland Savannah Weather Partly cloudy

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-15 Casing Diameter (in.) 1 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 8.20 Total Depth (ft-bmp) 15 Water Column/ Gallons in Well 6.8/ 1.09

MP Elevation N/A Pump Intake (ft-bmp) 13 Purge Method: low-flow Centrifugal ___ Submersible ___ Other Per. pump Sample Method Low Flow

Pump On/Off 1500/ Volumes Purged ~2

Sample Time: Label 1550 Start ___ End ___ Replicate/ Code No. N/A Sampled by BA

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Cond. (mMhos) ~~(mS/cm)~~ µS/cm	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance Color	Appearance Odor
1510	10		8.41	0.4	6.13	434.3	229.3	0.37	23.6	-26.2	clear	No
1515	15		8.42	0.6	6.10	413.3	161.7	0.33	23.6	-23.2	"	"
1520	20		8.42	0.8	6.07	383.1	121.3	0.29	23.3	-19.3	"	"
1525	25		8.42	1.0	6.04	373.0	96.8	0.26	23.2	-16.0	"	"
1530	30		8.42	1.2	6.00	369.8	76.6	0.20	23.5	-8.5	"	"
1535	35		8.42	1.4	5.98	362.1	67.8	0.18	23.5	-6.3	"	"
1540	40		8.42	1.6	5.99	356.4	64.4	0.17	23.2	-7.5	"	"
1545	45		8.42	1.8	5.99	351.7	69.1	0.17	23.2	-7.4	"	"

Constituents Sampled	Container	Number	Preservative
1,1-Biphenyl - 8270	1L amber	4	None

Well Casing Volumes

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information

Well Location: Dowtherm Unit 2024 Well Locked at Arrival: Yes / No

Condition of Well: Good Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

GROUNDWATER SAMPLING LOG

Page 1 of 1

Project No. OH010000.GA61.00300 Well ID TW-23 Date 12-28-17

Project Name/Location Ashland Savannah Weather 43°F/Cloudy

Measuring Pt. Description TOC Screen Setting (ft-bmp) 10-15 Casing Diameter (in.) 1 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 2.58 Total Depth (ft-bmp) Water Column/ Gallons in Well NA

MP Elevation NA Pump Intake (ft-bmp) 13 Purge Method: Sample Method Low Flow

Pump On/Off 1350/1440 Volumes Purged NA Centrifugal Submersible Other Peristaltic X

Sample Time: Label 1435 Start 1411 End 1437 Replicate/ Code No. NA Sampled by J. Ketchum

Time	Minutes Elapsed	Purge Rate (mL/min)	Depth to Water (ft)	Gallons Purged	pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1400	10	0	11.70	0.4	5.99	0.438	86.2	0.80	21.4	-60.6	clear	yes *
1405	15		**		DRY							
1410	20											

Constituents Sampled	Container	Number	Preservative
1,1-Biphenyl - 8270	1 L Amber	2	None

Notes: * ~~mL~~ pump rate is already very low; turned down a little more to almost a drip.
** Well Dry, wait to recharge + sample

Well Casing Volumes

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

Well Location: Electrical Substation 8526 Well Locked at Arrival: Yes / No

Condition of Well: GOOD Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

APPENDIX F

Laboratory Analytical Reports – December 2017 through May 2018 (on attached CD)

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: 680-144745-1
Client Project/Site: Savannah Resins Plant

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
11/9/2017 10:47:15 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-144745-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Savannah Resins Plant

Report Number: 680-144745-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/25/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9º C, 3.7º C and 7.5º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL

Samples SB-128-1 (0-1) (102417) (680-144745-1), SB-128-2 (0-1) (102417) (680-144745-2), SB-128-3 (0-1) (102417) (680-144745-3), DUP-3 (102417) (680-144745-4), SB-159-1 (0-2) (102417) (680-144745-5), SB-159-2 (0-2) (102417) (680-144745-6), SB-159-3 (0-2) (102417) (680-144745-7), SB-126-1 (0-1) (102417) (680-144745-8), SB-126-2 (0-1) (102417) (680-144745-9), SB-126-3 (0-1) (102417) (680-144745-10), DS-9-1 (0-2) (102417) (680-144745-15), DS-9-2 (0-4) (102417) (680-144745-16), DS-9-3 (0-4) (102417) (680-144745-17), DS-9-4 (0-4) (102417) (680-144745-18), SB-168-1 (0-2) (102517) (680-144745-19), SB-168-2 (0-2) (102517) (680-144745-20), SB-168-3 (0-2) (102517) (680-144745-21), SB-189-1 (0-2) (102517) (680-144745-22), SB-189-2 (0-2) (102517) (680-144745-23), SB-189-3 (0-2) (102517) (680-144745-24), EX-21-1 (0-2) (102517) (680-144745-25), EX-21-2 (0-2) (102517) (680-144745-26), SB-198-1 (0-2) (102517) (680-144745-27), SB-198-2 (0-2) (102517) (680-144745-28), SB-165-1 (0-2) (102517) (680-144745-29), SB-165-2 (0-2) (102517) (680-144745-30), EX-22-1 (0-2) (102517) (680-144745-31), EX-22-2 (0-2) (102517) (680-144745-32) and EX-22-3 (0-2) (102517) (680-144745-33) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW846 Method 8270D. The samples were prepared on 10/27/2017 and 10/31/2017 and analyzed on 10/29/2017, 10/30/2017, 11/01/2017, 11/02/2017 and 11/06/2017.

Surrogate recovery was outside acceptance limits for the following matrix spike duplicate (MSD) sample: SB-168-1 (0-2) (102517) (680-144745-19[MSD]). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Surrogate recovery for the following samples was outside control limits: SB-128-3 (0-1) (102417) (680-144745-3), SB-159-1 (0-2) (102417) (680-144745-5), SB-159-2 (0-2) (102417) (680-144745-6), SB-159-2 (0-2) (102417) (680-144745-6[MS]), SB-159-2 (0-2) (102417) (680-144745-6[MSD]), SB-126-2 (0-1) (102417) (680-144745-9), SB-126-3 (0-1) (102417) (680-144745-10), DS-9-3 (0-4) (102417) (680-144745-17), SB-168-2 (0-2) (102517) (680-144745-20), SB-168-3 (0-2) (102517) (680-144745-21), SB-189-1 (0-2) (102517) (680-144745-22) and SB-189-3 (0-2) (102517) (680-144745-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The following sample was diluted due to abundance of target analytes : SB-128-1 (0-1) (102417) (680-144745-1). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

The following samples was diluted due to the nature of the sample matrix: EX-21-2 (0-2) (102517) (680-144745-26) and SB-198-2 (0-2) (102517) (680-144745-28). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

The following samples was diluted due to the nature of the sample matrix: SB-128-2 (0-1) (102417) (680-144745-2), DUP-3 (102417) (680-144745-4) and SB-126-1 (0-1) (102417) (680-144745-8). As such, surrogate recoveries are below the calibration range or are not

Job ID: 680-144745-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

reported, and elevated reporting limits (RLs) are provided.

Internal standard (ISTD) response for Chrysene-d12 and/or Perylene-d12 for the following samples were outside acceptance criteria: SB-128-3 (0-1) (102417) (680-144745-3), SB-159-1 (0-2) (102417) (680-144745-5), SB-159-2 (0-2) (102417) (680-144745-6), SB-159-2 (0-2) (102417) (680-144745-6[MS]), SB-159-2 (0-2) (102417) (680-144745-6[MSD]), SB-126-2 (0-1) (102417) (680-144745-9), SB-126-3 (0-1) (102417) (680-144745-10), DS-9-1 (0-2) (102417) (680-144745-15), DS-9-3 (0-4) (102417) (680-144745-17), DS-9-4 (0-4) (102417) (680-144745-18), SB-168-2 (0-2) (102517) (680-144745-20), SB-168-3 (0-2) (102517) (680-144745-21), SB-189-1 (0-2) (102517) (680-144745-22), SB-189-2 (0-2) (102517) (680-144745-23) and SB-189-3 (0-2) (102517) (680-144745-24). These ISTD do not correspond to any of the requested target compounds; therefore, the data have been reported.

Internal standard (ISTD) response for Perylene-d12 for the following samples was outside acceptance criteria: SB-128-2 (0-1) (102417) (680-144745-2) and DUP-3 (102417) (680-144745-4). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

1,1'-Biphenyl failed the recovery criteria low for the MSD of sample SB-168-1 (0-2) (102517)MSD (680-144745-19) in batch 680-500446. 1,1'-Biphenyl exceeded the RPD limit.

Refer to the QC report for details.

Samples SB-128-1 (0-1) (102417) (680-144745-1)[2000X], SB-128-2 (0-1) (102417) (680-144745-2)[10X], DUP-3 (102417) (680-144745-4)[10X], SB-159-3 (0-2) (102417) (680-144745-7)[5X], SB-126-1 (0-1) (102417) (680-144745-8)[10X], DS-9-2 (0-4) (102417) (680-144745-16)[5X], EX-21-1 (0-2) (102517) (680-144745-25)[5X], EX-21-2 (0-2) (102517) (680-144745-26)[10X] and SB-198-2 (0-2) (102517) (680-144745-28)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL

Sample EB-2 (102517) (680-144745-35) was analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/31/2017 and analyzed on 11/03/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12), SB-202-2 (0-2) (102417) (680-144745-13) and SB-137-1 (0-1) (102417) (680-144745-14) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/31/2017 and analyzed on 10/31/2017 and 11/01/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12), SB-202-2 (0-2) (102417) (680-144745-13) and SB-137-1 (0-1) (102417) (680-144745-14). These results have been reported and qualified.

Samples SB-202-1 (0-2) (102417) (680-144745-11)[4X] and SB-137-1 (0-1) (102417) (680-144745-14)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Sample EB-1 (102517) (680-144745-34) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 10/30/2017 and analyzed on 11/01/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from

Job ID: 680-144745-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

both columns are unacceptable. Results outside criteria are qualified.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples SB-128-1 (0-1) (102417) (680-144745-1), SB-128-2 (0-1) (102417) (680-144745-2), SB-128-3 (0-1) (102417) (680-144745-3), DUP-3 (102417) (680-144745-4), SB-159-1 (0-2) (102417) (680-144745-5), SB-159-2 (0-2) (102417) (680-144745-6), SB-159-3 (0-2) (102417) (680-144745-7), SB-126-1 (0-1) (102417) (680-144745-8), SB-126-2 (0-1) (102417) (680-144745-9), SB-126-3 (0-1) (102417) (680-144745-10), SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12), SB-202-2 (0-2) (102417) (680-144745-13), SB-137-1 (0-1) (102417) (680-144745-14), DS-9-1 (0-2) (102417) (680-144745-15), DS-9-2 (0-4) (102417) (680-144745-16), DS-9-3 (0-4) (102417) (680-144745-17), DS-9-4 (0-4) (102417) (680-144745-18), SB-168-1 (0-2) (102517) (680-144745-19), SB-168-2 (0-2) (102517) (680-144745-20), SB-168-3 (0-2) (102517) (680-144745-21), SB-189-1 (0-2) (102517) (680-144745-22), SB-189-2 (0-2) (102517) (680-144745-23), SB-189-3 (0-2) (102517) (680-144745-24), EX-21-1 (0-2) (102517) (680-144745-25), EX-21-2 (0-2) (102517) (680-144745-26), SB-198-1 (0-2) (102517) (680-144745-27), SB-198-2 (0-2) (102517) (680-144745-28), SB-165-1 (0-2) (102517) (680-144745-29), SB-165-2 (0-2) (102517) (680-144745-30), EX-22-1 (0-2) (102517) (680-144745-31), EX-22-2 (0-2) (102517) (680-144745-32) and EX-22-3 (0-2) (102517) (680-144745-33) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 10/27/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-144745-1	SB-128-1 (0-1) (102417)	Solid	10/24/17 09:30	10/25/17 17:30
680-144745-2	SB-128-2 (0-1) (102417)	Solid	10/24/17 09:40	10/25/17 17:30
680-144745-3	SB-128-3 (0-1) (102417)	Solid	10/24/17 09:50	10/25/17 17:30
680-144745-4	DUP-3 (102417)	Solid	10/24/17 00:00	10/25/17 17:30
680-144745-5	SB-159-1 (0-2) (102417)	Solid	10/24/17 10:00	10/25/17 17:30
680-144745-6	SB-159-2 (0-2) (102417)	Solid	10/24/17 10:10	10/25/17 17:30
680-144745-7	SB-159-3 (0-2) (102417)	Solid	10/24/17 10:20	10/25/17 17:30
680-144745-8	SB-126-1 (0-1) (102417)	Solid	10/24/17 10:50	10/25/17 17:30
680-144745-9	SB-126-2 (0-1) (102417)	Solid	10/24/17 11:00	10/25/17 17:30
680-144745-10	SB-126-3 (0-1) (102417)	Solid	10/24/17 11:10	10/25/17 17:30
680-144745-11	SB-202-1 (0-2) (102417)	Solid	10/24/17 14:25	10/25/17 17:30
680-144745-12	DUP-1 (102417)	Solid	10/24/17 00:00	10/25/17 17:30
680-144745-13	SB-202-2 (0-2) (102417)	Solid	10/24/17 14:35	10/25/17 17:30
680-144745-14	SB-137-1 (0-1) (102417)	Solid	10/24/17 14:50	10/25/17 17:30
680-144745-15	DS-9-1 (0-2) (102417)	Solid	10/24/17 15:30	10/25/17 17:30
680-144745-16	DS-9-2 (0-4) (102417)	Solid	10/24/17 15:40	10/25/17 17:30
680-144745-17	DS-9-3 (0-4) (102417)	Solid	10/24/17 15:50	10/25/17 17:30
680-144745-18	DS-9-4 (0-4) (102417)	Solid	10/24/17 16:00	10/25/17 17:30
680-144745-19	SB-168-1 (0-2) (102517)	Solid	10/25/17 10:40	10/25/17 17:30
680-144745-20	SB-168-2 (0-2) (102517)	Solid	10/25/17 10:50	10/25/17 17:30
680-144745-21	SB-168-3 (0-2) (102517)	Solid	10/25/17 11:00	10/25/17 17:30
680-144745-22	SB-189-1 (0-2) (102517)	Solid	10/25/17 11:10	10/25/17 17:30
680-144745-23	SB-189-2 (0-2) (102517)	Solid	10/25/17 11:20	10/25/17 17:30
680-144745-24	SB-189-3 (0-2) (102517)	Solid	10/25/17 11:30	10/25/17 17:30
680-144745-25	EX-21-1 (0-2) (102517)	Solid	10/25/17 12:15	10/25/17 17:30
680-144745-26	EX-21-2 (0-2) (102517)	Solid	10/25/17 12:25	10/25/17 17:30
680-144745-27	SB-198-1 (0-2) (102517)	Solid	10/25/17 14:40	10/25/17 17:30
680-144745-28	SB-198-2 (0-2) (102517)	Solid	10/25/17 14:50	10/25/17 17:30
680-144745-29	SB-165-1 (0-2) (102517)	Solid	10/25/17 15:10	10/25/17 17:30
680-144745-30	SB-165-2 (0-2) (102517)	Solid	10/25/17 15:20	10/25/17 17:30
680-144745-31	EX-22-1 (0-2) (102517)	Solid	10/25/17 16:00	10/25/17 17:30
680-144745-32	EX-22-2 (0-2) (102517)	Solid	10/25/17 16:10	10/25/17 17:30
680-144745-33	EX-22-3 (0-2) (102517)	Solid	10/25/17 16:20	10/25/17 17:30
680-144745-34	EB-1 (102517)	Water	10/25/17 16:30	10/25/17 17:30
680-144745-35	EB-2 (102517)	Water	10/25/17 16:40	10/25/17 17:30

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Method	Method Description	Protocol	Laboratory
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8082A	Polychlorinated Biphenyls (PCBs) by GC	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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 Semi VOA

Qualifier	Qualifier Description
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.
X	Surrogate is outside control limits
*	ISTD response or retention time outside acceptable limits
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-128-1 (0-1) (102417) — Lab Sample ID: 680-144745-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	1200		75	16	mg/Kg	2000	☼	8270D LL	Total/NA

Client Sample ID: SB-128-2 (0-1) (102417) — Lab Sample ID: 680-144745-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.53		0.36	0.078	mg/Kg	10	☼	8270D LL	Total/NA

Client Sample ID: SB-128-3 (0-1) (102417) — Lab Sample ID: 680-144745-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.27		0.038	0.0083	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: DUP-3 (102417) — Lab Sample ID: 680-144745-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.32	J	0.35	0.077	mg/Kg	10	☼	8270D LL	Total/NA

Client Sample ID: SB-159-1 (0-2) (102417) — Lab Sample ID: 680-144745-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.14		0.036	0.0079	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-159-2 (0-2) (102417) — Lab Sample ID: 680-144745-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.15		0.036	0.0079	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-159-3 (0-2) (102417) — Lab Sample ID: 680-144745-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	2.0		0.19	0.042	mg/Kg	5	☼	8270D LL	Total/NA

Client Sample ID: SB-126-1 (0-1) (102417) — Lab Sample ID: 680-144745-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.89		0.38	0.082	mg/Kg	10	☼	8270D LL	Total/NA

Client Sample ID: SB-126-2 (0-1) (102417) — Lab Sample ID: 680-144745-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.17		0.039	0.0084	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-126-3 (0-1) (102417) — Lab Sample ID: 680-144745-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.19		0.038	0.0083	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-202-1 (0-2) (102417) — Lab Sample ID: 680-144745-11

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-202-1 (0-2) (102417) (Continued) — Lab Sample ID: 680-144745-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.7		0.15	0.046	mg/Kg	4	☼	8081B/8082A	Total/NA
Total PCB	1700		150	23	ug/Kg	4	☼	8081B/8082A	Total/NA

Client Sample ID: DUP-1 (102417) — Lab Sample ID: 680-144745-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.77		0.037	0.011	mg/Kg	1	☼	8081B/8082A	Total/NA
Total PCB	770		37	5.6	ug/Kg	1	☼	8081B/8082A	Total/NA

Client Sample ID: SB-202-2 (0-2) (102417) — Lab Sample ID: 680-144745-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.1		0.036	0.011	mg/Kg	1	☼	8081B/8082A	Total/NA
Total PCB	1100		36	5.5	ug/Kg	1	☼	8081B/8082A	Total/NA

Client Sample ID: SB-137-1 (0-1) (102417) — Lab Sample ID: 680-144745-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	4.4		0.20	0.059	mg/Kg	5	☼	8081B/8082A	Total/NA
Total PCB	4400		200	30	ug/Kg	5	☼	8081B/8082A	Total/NA

Client Sample ID: DS-9-1 (0-2) (102417) — Lab Sample ID: 680-144745-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.091		0.036	0.0079	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: DS-9-2 (0-4) (102417) — Lab Sample ID: 680-144745-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	2.5		0.18	0.039	mg/Kg	5	☼	8270D LL	Total/NA

Client Sample ID: DS-9-3 (0-4) (102417) — Lab Sample ID: 680-144745-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.16		0.037	0.0081	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: DS-9-4 (0-4) (102417) — Lab Sample ID: 680-144745-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.13		0.036	0.0079	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-168-1 (0-2) (102517) — Lab Sample ID: 680-144745-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.086	F2 F1	0.040	0.0087	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-168-2 (0-2) (102517) — Lab Sample ID: 680-144745-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.58		0.040	0.0087	mg/Kg	1	☼	8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-168-3 (0-2) (102517) — Lab Sample ID: 680-144745-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.25		0.039	0.0086	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-189-1 (0-2) (102517) — Lab Sample ID: 680-144745-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.12		0.037	0.0081	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-189-2 (0-2) (102517) — Lab Sample ID: 680-144745-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.14		0.039	0.0086	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-189-3 (0-2) (102517) — Lab Sample ID: 680-144745-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.070		0.040	0.0087	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: EX-21-1 (0-2) (102517) — Lab Sample ID: 680-144745-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	1.5		0.18	0.038	mg/Kg	5	☼	8270D LL	Total/NA

Client Sample ID: EX-21-2 (0-2) (102517) — Lab Sample ID: 680-144745-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.10	J	0.40	0.087	mg/Kg	10	☼	8270D LL	Total/NA

Client Sample ID: SB-198-1 (0-2) (102517) — Lab Sample ID: 680-144745-27

No Detections.

Client Sample ID: SB-198-2 (0-2) (102517) — Lab Sample ID: 680-144745-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.11	J	0.36	0.079	mg/Kg	10	☼	8270D LL	Total/NA

Client Sample ID: SB-165-1 (0-2) (102517) — Lab Sample ID: 680-144745-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.27		0.039	0.0085	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-165-2 (0-2) (102517) — Lab Sample ID: 680-144745-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.012	J	0.037	0.0080	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: EX-22-1 (0-2) (102517) — Lab Sample ID: 680-144745-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.013	J	0.037	0.0080	mg/Kg	1	☼	8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EX-22-2 (0-2) (102517) — Lab Sample ID: 680-144745-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.012	J	0.037	0.0081	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: EX-22-3 (0-2) (102517) — Lab Sample ID: 680-144745-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.013	J	0.037	0.0081	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: EB-1 (102517) — Lab Sample ID: 680-144745-34

No Detections.

Client Sample ID: EB-2 (102517) — Lab Sample ID: 680-144745-35

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-128-1 (0-1) (102417)

Lab Sample ID: 680-144745-1

Date Collected: 10/24/17 09:30
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 86.3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1200		75	16	mg/Kg	☼	10/31/17 17:53	11/06/17 16:35	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*10/31/17 17:53*	*11/06/17 16:35*	*2000*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*10/31/17 17:53*	*11/06/17 16:35*	*2000*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*10/31/17 17:53*	*11/06/17 16:35*	*2000*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*10/31/17 17:53*	*11/06/17 16:35*	*2000*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*10/31/17 17:53*	*11/06/17 16:35*	*2000*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*10/31/17 17:53*	*11/06/17 16:35*	*2000*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-128-2 (0-1) (102417)

Lab Sample ID: 680-144745-2

Date Collected: 10/24/17 09:40
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 89.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.53**		0.36	0.078	mg/Kg	☼	10/31/17 17:53	11/02/17 18:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*10/31/17 17:53*	*11/02/17 18:09*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*10/31/17 17:53*	*11/02/17 18:09*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*10/31/17 17:53*	*11/02/17 18:09*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*10/31/17 17:53*	*11/02/17 18:09*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*10/31/17 17:53*	*11/02/17 18:09*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*10/31/17 17:53*	*11/02/17 18:09*	*10*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-128-3 (0-1) (102417)

Lab Sample ID: 680-144745-3

Date Collected: 10/24/17 09:50
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 84.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.27**		0.038	0.0083	mg/Kg	☼	10/31/17 17:53	11/01/17 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*11 - 130*	*10/31/17 17:53*	*11/01/17 17:12*	*1*
2-Fluorophenol (Surr)	*83*		*10 - 130*	*10/31/17 17:53*	*11/01/17 17:12*	*1*
Nitrobenzene-d5 (Surr)	*63*		*18 - 130*	*10/31/17 17:53*	*11/01/17 17:12*	*1*
Phenol-d5 (Surr)	*81*		*10 - 130*	*10/31/17 17:53*	*11/01/17 17:12*	*1*
Terphenyl-d14 (Surr)	*163*	*X*	*27 - 130*	*10/31/17 17:53*	*11/01/17 17:12*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 130*	*10/31/17 17:53*	*11/01/17 17:12*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: DUP-3 (102417)

Lab Sample ID: 680-144745-4

Date Collected: 10/24/17 00:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 93.2

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.32**	**J**	0.35	0.077	mg/Kg	☼	10/31/17 17:53	11/02/17 18:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*10/31/17 17:53*	*11/02/17 18:32*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*10/31/17 17:53*	*11/02/17 18:32*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*10/31/17 17:53*	*11/02/17 18:32*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*10/31/17 17:53*	*11/02/17 18:32*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*10/31/17 17:53*	*11/02/17 18:32*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*10/31/17 17:53*	*11/02/17 18:32*	*10*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-159-1 (0-2) (102417)

Lab Sample ID: 680-144745-5

Date Collected: 10/24/17 10:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 88.3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.14**		0.036	0.0079	mg/Kg	☼	10/31/17 17:53	11/01/17 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*11 - 130*	*10/31/17 17:53*	*11/01/17 18:01*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 130*	*10/31/17 17:53*	*11/01/17 18:01*	*1*
Nitrobenzene-d5 (Surr)	*52*		*18 - 130*	*10/31/17 17:53*	*11/01/17 18:01*	*1*
Phenol-d5 (Surr)	*77*		*10 - 130*	*10/31/17 17:53*	*11/01/17 18:01*	*1*
Terphenyl-d14 (Surr)	*159*	*X*	*27 - 130*	*10/31/17 17:53*	*11/01/17 18:01*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 130*	*10/31/17 17:53*	*11/01/17 18:01*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-159-2 (0-2) (102417)

Lab Sample ID: 680-144745-6

Date Collected: 10/24/17 10:10
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 88.5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.15**		0.036	0.0079	mg/Kg	☼	10/31/17 17:53	11/01/17 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*82*		*11 - 130*	*10/31/17 17:53*	*11/01/17 18:25*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 130*	*10/31/17 17:53*	*11/01/17 18:25*	*1*
Nitrobenzene-d5 (Surr)	*54*		*18 - 130*	*10/31/17 17:53*	*11/01/17 18:25*	*1*
Phenol-d5 (Surr)	*77*		*10 - 130*	*10/31/17 17:53*	*11/01/17 18:25*	*1*
Terphenyl-d14 (Surr)	*144*	*X*	*27 - 130*	*10/31/17 17:53*	*11/01/17 18:25*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 130*	*10/31/17 17:53*	*11/01/17 18:25*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-159-3 (0-2) (102417)

Lab Sample ID: 680-144745-7

Date Collected: 10/24/17 10:20
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 84.7

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	2.0		0.19	0.042	mg/Kg	☼	10/31/17 17:53	11/02/17 18:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*11 - 130*	*10/31/17 17:53*	*11/02/17 18:55*	*5*
2-Fluorophenol (Surr)	*79*		*10 - 130*	*10/31/17 17:53*	*11/02/17 18:55*	*5*
Nitrobenzene-d5 (Surr)	*83*		*18 - 130*	*10/31/17 17:53*	*11/02/17 18:55*	*5*
Phenol-d5 (Surr)	*79*		*10 - 130*	*10/31/17 17:53*	*11/02/17 18:55*	*5*
Terphenyl-d14 (Surr)	*86*		*27 - 130*	*10/31/17 17:53*	*11/02/17 18:55*	*5*
2,4,6-Tribromophenol (Surr)	*99*		*24 - 130*	*10/31/17 17:53*	*11/02/17 18:55*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-126-1 (0-1) (102417)

Lab Sample ID: 680-144745-8

Date Collected: 10/24/17 10:50
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 85.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.89**		0.38	0.082	mg/Kg	☼	10/31/17 17:53	11/02/17 19:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*10/31/17 17:53*	*11/02/17 19:17*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*10/31/17 17:53*	*11/02/17 19:17*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*10/31/17 17:53*	*11/02/17 19:17*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*10/31/17 17:53*	*11/02/17 19:17*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*10/31/17 17:53*	*11/02/17 19:17*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*10/31/17 17:53*	*11/02/17 19:17*	*10*

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-126-2 (0-1) (102417)

Lab Sample ID: 680-144745-9

Date Collected: 10/24/17 11:00
Date Received: 10/25/17 17:30

Matrix: Solid
Percent Solids: 83.5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.17		0.039	0.0084	mg/Kg	☼	10/31/17 17:53	11/01/17 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*11 - 130*	*10/31/17 17:53*	*11/01/17 19:38*	*1*
2-Fluorophenol (Surr)	*78*		*10 - 130*	*10/31/17 17:53*	*11/01/17 19:38*	*1*
Nitrobenzene-d5 (Surr)	*55*		*18 - 130*	*10/31/17 17:53*	*11/01/17 19:38*	*1*
Phenol-d5 (Surr)	*78*		*10 - 130*	*10/31/17 17:53*	*11/01/17 19:38*	*1*
Terphenyl-d14 (Surr)	*145*	*X*	*27 - 130*	*10/31/17 17:53*	*11/01/17 19:38*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*24 - 130*	*10/31/17 17:53*	*11/01/17 19:38*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-126-3 (0-1) (102417)

Lab Sample ID: 680-144745-10

Date Collected: 10/24/17 11:10
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 86.3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.19**		0.038	0.0083	mg/Kg	☼	10/31/17 17:53	11/01/17 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*89*		*11 - 130*	*10/31/17 17:53*	*11/01/17 20:02*	*1*
2-Fluorophenol (Surr)	*77*		*10 - 130*	*10/31/17 17:53*	*11/01/17 20:02*	*1*
Nitrobenzene-d5 (Surr)	*54*		*18 - 130*	*10/31/17 17:53*	*11/01/17 20:02*	*1*
Phenol-d5 (Surr)	*73*		*10 - 130*	*10/31/17 17:53*	*11/01/17 20:02*	*1*
Terphenyl-d14 (Surr)	*141*	*X*	*27 - 130*	*10/31/17 17:53*	*11/01/17 20:02*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 130*	*10/31/17 17:53*	*11/01/17 20:02*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-202-1 (0-2) (102417)

Lab Sample ID: 680-144745-11

Date Collected: 10/24/17 14:25
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 82.9

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.25	U	2.0	0.25	ug/Kg	☼	10/31/17 10:04	10/31/17 17:39	1
Endrin	0.25	U	2.0	0.25	ug/Kg	☼	10/31/17 10:04	10/31/17 17:39	1
Endrin aldehyde	0.25	U	2.0	0.25	ug/Kg	☼	10/31/17 10:04	10/31/17 17:39	1
Methoxychlor	0.32	U	2.0	0.32	ug/Kg	☼	10/31/17 10:04	10/31/17 17:39	1
PCB-1254	**1.7**		0.15	0.046	mg/Kg	☼	10/31/17 10:04	11/01/17 16:37	4
PCB-1260	0.011	U	0.038	0.011	mg/Kg	☼	10/31/17 10:04	10/31/17 17:39	1
PCB-1262	7.0	U	38	7.0	ug/Kg	☼	10/31/17 10:04	10/31/17 17:39	1
PCB-1268	6.4	U	38	6.4	ug/Kg	☼	10/31/17 10:04	10/31/17 17:39	1
Total PCB	**1700**		150	23	ug/Kg	☼	10/31/17 10:04	11/01/17 16:37	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*	*X*	*54 - 133*	*10/31/17 10:04*	*10/31/17 17:39*	*1*
Tetrachloro-m-xylene	*69*		*46 - 130*	*10/31/17 10:04*	*10/31/17 17:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: DUP-1 (102417)

Lab Sample ID: 680-144745-12

Date Collected: 10/24/17 00:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 84.6

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.25	U	1.9	0.25	ug/Kg	☼	10/31/17 10:04	10/31/17 17:53	1
Endrin	0.25	U	1.9	0.25	ug/Kg	☼	10/31/17 10:04	10/31/17 17:53	1
Endrin aldehyde	0.25	U	1.9	0.25	ug/Kg	☼	10/31/17 10:04	10/31/17 17:53	1
Methoxychlor	0.31	U	1.9	0.31	ug/Kg	☼	10/31/17 10:04	10/31/17 17:53	1
PCB-1254	**0.77**		0.037	0.011	mg/Kg	☼	10/31/17 10:04	10/31/17 17:53	1
PCB-1260	0.011	U	0.037	0.011	mg/Kg	☼	10/31/17 10:04	10/31/17 17:53	1
PCB-1262	6.8	U	37	6.8	ug/Kg	☼	10/31/17 10:04	10/31/17 17:53	1
PCB-1268	6.1	U	37	6.1	ug/Kg	☼	10/31/17 10:04	10/31/17 17:53	1
Total PCB	**770**		37	5.6	ug/Kg	☼	10/31/17 10:04	10/31/17 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*45*	*X*	*54 - 133*	*10/31/17 10:04*	*10/31/17 17:53*	*1*
Tetrachloro-m-xylene	*88*		*46 - 130*	*10/31/17 10:04*	*10/31/17 17:53*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-202-2 (0-2) (102417)

Lab Sample ID: 680-144745-13

Date Collected: 10/24/17 14:35
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 87.2

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.24	U	1.9	0.24	ug/Kg	☼	10/31/17 10:04	10/31/17 18:07	1
Endrin	0.24	U	1.9	0.24	ug/Kg	☼	10/31/17 10:04	10/31/17 18:07	1
Endrin aldehyde	0.24	U	1.9	0.24	ug/Kg	☼	10/31/17 10:04	10/31/17 18:07	1
Methoxychlor	0.31	U	1.9	0.31	ug/Kg	☼	10/31/17 10:04	10/31/17 18:07	1
PCB-1254	**1.1**		0.036	0.011	mg/Kg	☼	10/31/17 10:04	10/31/17 18:07	1
PCB-1260	0.010	U	0.036	0.010	mg/Kg	☼	10/31/17 10:04	10/31/17 18:07	1
PCB-1262	6.7	U	36	6.7	ug/Kg	☼	10/31/17 10:04	10/31/17 18:07	1
PCB-1268	6.0	U	36	6.0	ug/Kg	☼	10/31/17 10:04	10/31/17 18:07	1
Total PCB	**1100**		36	5.5	ug/Kg	☼	10/31/17 10:04	10/31/17 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*18*	*p X*	*54 - 133*	*10/31/17 10:04*	*10/31/17 18:07*	*1*
Tetrachloro-m-xylene	*77*		*46 - 130*	*10/31/17 10:04*	*10/31/17 18:07*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-137-1 (0-1) (102417)

Lab Sample ID: 680-144745-14

Date Collected: 10/24/17 14:50
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 79.2

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.26	U	2.0	0.26	ug/Kg	☼	10/31/17 10:04	10/31/17 18:22	1
Endrin	0.26	U	2.0	0.26	ug/Kg	☼	10/31/17 10:04	10/31/17 18:22	1
Endrin aldehyde	0.26	U	2.0	0.26	ug/Kg	☼	10/31/17 10:04	10/31/17 18:22	1
Methoxychlor	0.33	U	2.0	0.33	ug/Kg	☼	10/31/17 10:04	10/31/17 18:22	1
PCB-1254	**4.4**		0.20	0.059	mg/Kg	☼	10/31/17 10:04	11/01/17 16:51	5
PCB-1260	0.011	U	0.039	0.011	mg/Kg	☼	10/31/17 10:04	10/31/17 18:22	1
PCB-1262	7.2	U	39	7.2	ug/Kg	☼	10/31/17 10:04	10/31/17 18:22	1
PCB-1268	6.5	U	39	6.5	ug/Kg	☼	10/31/17 10:04	10/31/17 18:22	1
Total PCB	**4400**		200	30	ug/Kg	☼	10/31/17 10:04	11/01/17 16:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*28*	*p X*	*54 - 133*	*10/31/17 10:04*	*10/31/17 18:22*	*1*
Tetrachloro-m-xylene	*69*		*46 - 130*	*10/31/17 10:04*	*10/31/17 18:22*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: DS-9-1 (0-2) (102417)

Lab Sample ID: 680-144745-15

Date Collected: 10/24/17 15:30
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 89.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.091**		0.036	0.0079	mg/Kg	☼	10/31/17 17:53	11/01/17 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*11 - 130*	*10/31/17 17:53*	*11/01/17 20:26*	*1*
2-Fluorophenol (Surr)	*76*		*10 - 130*	*10/31/17 17:53*	*11/01/17 20:26*	*1*
Nitrobenzene-d5 (Surr)	*45*		*18 - 130*	*10/31/17 17:53*	*11/01/17 20:26*	*1*
Phenol-d5 (Surr)	*73*		*10 - 130*	*10/31/17 17:53*	*11/01/17 20:26*	*1*
Terphenyl-d14 (Surr)	*43*		*27 - 130*	*10/31/17 17:53*	*11/01/17 20:26*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 130*	*10/31/17 17:53*	*11/01/17 20:26*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: DS-9-2 (0-4) (102417)

Lab Sample ID: 680-144745-16

Date Collected: 10/24/17 15:40
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 91.2

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	2.5		0.18	0.039	mg/Kg	☼	10/31/17 17:53	11/02/17 19:39	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*39*		*11 - 130*	*10/31/17 17:53*	*11/02/17 19:39*	*5*
2-Fluorophenol (Surr)	*36*		*10 - 130*	*10/31/17 17:53*	*11/02/17 19:39*	*5*
Nitrobenzene-d5 (Surr)	*43*		*18 - 130*	*10/31/17 17:53*	*11/02/17 19:39*	*5*
Phenol-d5 (Surr)	*39*		*10 - 130*	*10/31/17 17:53*	*11/02/17 19:39*	*5*
Terphenyl-d14 (Surr)	*34*		*27 - 130*	*10/31/17 17:53*	*11/02/17 19:39*	*5*
2,4,6-Tribromophenol (Surr)	*41*		*24 - 130*	*10/31/17 17:53*	*11/02/17 19:39*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: DS-9-3 (0-4) (102417)

Lab Sample ID: 680-144745-17

Date Collected: 10/24/17 15:50
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 88.7

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.16**		0.037	0.0081	mg/Kg	☼	10/31/17 17:53	11/01/17 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*11 - 130*	*10/31/17 17:53*	*11/01/17 21:15*	*1*
2-Fluorophenol (Surr)	*70*		*10 - 130*	*10/31/17 17:53*	*11/01/17 21:15*	*1*
Nitrobenzene-d5 (Surr)	*37*		*18 - 130*	*10/31/17 17:53*	*11/01/17 21:15*	*1*
Phenol-d5 (Surr)	*68*		*10 - 130*	*10/31/17 17:53*	*11/01/17 21:15*	*1*
Terphenyl-d14 (Surr)	*175*	** X*	*27 - 130*	*10/31/17 17:53*	*11/01/17 21:15*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*24 - 130*	*10/31/17 17:53*	*11/01/17 21:15*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: DS-9-4 (0-4) (102417)

Lab Sample ID: 680-144745-18

Date Collected: 10/24/17 16:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 87.9

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.13**		0.036	0.0079	mg/Kg	☼	10/31/17 17:53	11/01/17 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*50*		*11 - 130*	*10/31/17 17:53*	*11/01/17 21:39*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 130*	*10/31/17 17:53*	*11/01/17 21:39*	*1*
Nitrobenzene-d5 (Surr)	*28*		*18 - 130*	*10/31/17 17:53*	*11/01/17 21:39*	*1*
Phenol-d5 (Surr)	*45*		*10 - 130*	*10/31/17 17:53*	*11/01/17 21:39*	*1*
Terphenyl-d14 (Surr)	*67*		*27 - 130*	*10/31/17 17:53*	*11/01/17 21:39*	*1*
2,4,6-Tribromophenol (Surr)	*53*		*24 - 130*	*10/31/17 17:53*	*11/01/17 21:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-168-1 (0-2) (102517)

Lab Sample ID: 680-144745-19

Date Collected: 10/25/17 10:40
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 81.5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.086	F2 F1	0.040	0.0087	mg/Kg	☼	10/27/17 15:58	10/29/17 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*11 - 130*	*10/27/17 15:58*	*10/29/17 23:41*	*1*
2-Fluorophenol (Surr)	*80*		*10 - 130*	*10/27/17 15:58*	*10/29/17 23:41*	*1*
Nitrobenzene-d5 (Surr)	*86*		*18 - 130*	*10/27/17 15:58*	*10/29/17 23:41*	*1*
Phenol-d5 (Surr)	*82*		*10 - 130*	*10/27/17 15:58*	*10/29/17 23:41*	*1*
Terphenyl-d14 (Surr)	*72*		*27 - 130*	*10/27/17 15:58*	*10/29/17 23:41*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*24 - 130*	*10/27/17 15:58*	*10/29/17 23:41*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-168-2 (0-2) (102517)

Lab Sample ID: 680-144745-20

Date Collected: 10/25/17 10:50
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 81.7

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.58**		0.040	0.0087	mg/Kg	☼	10/31/17 17:53	11/01/17 22:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*11 - 130*	*10/31/17 17:53*	*11/01/17 22:04*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 130*	*10/31/17 17:53*	*11/01/17 22:04*	*1*
Nitrobenzene-d5 (Surr)	*33*		*18 - 130*	*10/31/17 17:53*	*11/01/17 22:04*	*1*
Phenol-d5 (Surr)	*59*		*10 - 130*	*10/31/17 17:53*	*11/01/17 22:04*	*1*
Terphenyl-d14 (Surr)	*135*	** X*	*27 - 130*	*10/31/17 17:53*	*11/01/17 22:04*	*1*
2,4,6-Tribromophenol (Surr)	*67*		*24 - 130*	*10/31/17 17:53*	*11/01/17 22:04*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-168-3 (0-2) (102517)

Lab Sample ID: 680-144745-21

Date Collected: 10/25/17 11:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 81.3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.25**		0.039	0.0086	mg/Kg	☼	10/31/17 17:53	11/01/17 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*82*		*11 - 130*	*10/31/17 17:53*	*11/01/17 22:28*	*1*
2-Fluorophenol (Surr)	*88*		*10 - 130*	*10/31/17 17:53*	*11/01/17 22:28*	*1*
Nitrobenzene-d5 (Surr)	*51*		*18 - 130*	*10/31/17 17:53*	*11/01/17 22:28*	*1*
Phenol-d5 (Surr)	*82*		*10 - 130*	*10/31/17 17:53*	*11/01/17 22:28*	*1*
Terphenyl-d14 (Surr)	*156*	** X*	*27 - 130*	*10/31/17 17:53*	*11/01/17 22:28*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*24 - 130*	*10/31/17 17:53*	*11/01/17 22:28*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-189-1 (0-2) (102517)

Lab Sample ID: 680-144745-22

Date Collected: 10/25/17 11:10
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 87.1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.12**		0.037	0.0081	mg/Kg	☼	10/31/17 17:53	11/01/17 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*81*		*11 - 130*	*10/31/17 17:53*	*11/01/17 22:53*	*1*
2-Fluorophenol (Surr)	*85*		*10 - 130*	*10/31/17 17:53*	*11/01/17 22:53*	*1*
Nitrobenzene-d5 (Surr)	*49*		*18 - 130*	*10/31/17 17:53*	*11/01/17 22:53*	*1*
Phenol-d5 (Surr)	*78*		*10 - 130*	*10/31/17 17:53*	*11/01/17 22:53*	*1*
Terphenyl-d14 (Surr)	*154*	** X*	*27 - 130*	*10/31/17 17:53*	*11/01/17 22:53*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 130*	*10/31/17 17:53*	*11/01/17 22:53*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-189-2 (0-2) (102517)

Lab Sample ID: 680-144745-23

Date Collected: 10/25/17 11:20
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 82.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.14**		0.039	0.0086	mg/Kg	☼	10/31/17 17:53	11/01/17 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*11 - 130*	*10/31/17 17:53*	*11/01/17 23:17*	*1*
2-Fluorophenol (Surr)	*66*		*10 - 130*	*10/31/17 17:53*	*11/01/17 23:17*	*1*
Nitrobenzene-d5 (Surr)	*39*		*18 - 130*	*10/31/17 17:53*	*11/01/17 23:17*	*1*
Phenol-d5 (Surr)	*63*		*10 - 130*	*10/31/17 17:53*	*11/01/17 23:17*	*1*
Terphenyl-d14 (Surr)	*114*		*27 - 130*	*10/31/17 17:53*	*11/01/17 23:17*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 130*	*10/31/17 17:53*	*11/01/17 23:17*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-189-3 (0-2) (102517)
Date Collected: 10/25/17 11:30
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-24
Matrix: Solid
Percent Solids: 82.8

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.070		0.040	0.0087	mg/Kg	☼	10/31/17 17:53	11/01/17 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		11 - 130	10/31/17 17:53	11/01/17 23:42	1
2-Fluorophenol (Surr)	80		10 - 130	10/31/17 17:53	11/01/17 23:42	1
Nitrobenzene-d5 (Surr)	48		18 - 130	10/31/17 17:53	11/01/17 23:42	1
Phenol-d5 (Surr)	76		10 - 130	10/31/17 17:53	11/01/17 23:42	1
Terphenyl-d14 (Surr)	154	X	27 - 130	10/31/17 17:53	11/01/17 23:42	1
2,4,6-Tribromophenol (Surr)	86		24 - 130	10/31/17 17:53	11/01/17 23:42	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EX-21-1 (0-2) (102517)

Lab Sample ID: 680-144745-25

Date Collected: 10/25/17 12:15
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 91.0

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.5		0.18	0.038	mg/Kg	☼	10/31/17 17:53	11/02/17 20:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*42*		*11 - 130*	*10/31/17 17:53*	*11/02/17 20:02*	*5*
2-Fluorophenol (Surr)	*40*		*10 - 130*	*10/31/17 17:53*	*11/02/17 20:02*	*5*
Nitrobenzene-d5 (Surr)	*45*		*18 - 130*	*10/31/17 17:53*	*11/02/17 20:02*	*5*
Phenol-d5 (Surr)	*44*		*10 - 130*	*10/31/17 17:53*	*11/02/17 20:02*	*5*
Terphenyl-d14 (Surr)	*45*		*27 - 130*	*10/31/17 17:53*	*11/02/17 20:02*	*5*
2,4,6-Tribromophenol (Surr)	*48*		*24 - 130*	*10/31/17 17:53*	*11/02/17 20:02*	*5*

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EX-21-2 (0-2) (102517)
Date Collected: 10/25/17 12:25
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-26
Matrix: Solid
Percent Solids: 80.8

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.10	J	0.40	0.087	mg/Kg	☼	10/27/17 15:58	10/30/17 00:03	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	0	D	11 - 130	10/27/17 15:58	10/30/17 00:03	10
2-Fluorophenol (Surr)	0	D	10 - 130	10/27/17 15:58	10/30/17 00:03	10
Nitrobenzene-d5 (Surr)	0	D	18 - 130	10/27/17 15:58	10/30/17 00:03	10
Phenol-d5 (Surr)	0	D	10 - 130	10/27/17 15:58	10/30/17 00:03	10
Terphenyl-d14 (Surr)	0	D	27 - 130	10/27/17 15:58	10/30/17 00:03	10
2,4,6-Tribromophenol (Surr)	0	D	24 - 130	10/27/17 15:58	10/30/17 00:03	10

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-198-1 (0-2) (102517)
Date Collected: 10/25/17 14:40
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-27
Matrix: Solid
Percent Solids: 79.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0090	U	0.041	0.0090	mg/Kg	☼	10/27/17 15:58	10/30/17 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*82*		*11 - 130*	*10/27/17 15:58*	*10/30/17 00:26*	*1*
2-Fluorophenol (Surr)	*84*		*10 - 130*	*10/27/17 15:58*	*10/30/17 00:26*	*1*
Nitrobenzene-d5 (Surr)	*87*		*18 - 130*	*10/27/17 15:58*	*10/30/17 00:26*	*1*
Phenol-d5 (Surr)	*85*		*10 - 130*	*10/27/17 15:58*	*10/30/17 00:26*	*1*
Terphenyl-d14 (Surr)	*96*		*27 - 130*	*10/27/17 15:58*	*10/30/17 00:26*	*1*
2,4,6-Tribromophenol (Surr)	*90*		*24 - 130*	*10/27/17 15:58*	*10/30/17 00:26*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-198-2 (0-2) (102517) — **Lab Sample ID: 680-144745-28**

Date Collected: 10/25/17 14:50 — **Matrix: Solid**

Date Received: 10/25/17 17:30 — **Percent Solids: 88.4**

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.11	J	0.36	0.079	mg/Kg	☼	10/27/17 15:58	10/30/17 00:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*10/27/17 15:58*	*10/30/17 00:48*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*10/27/17 15:58*	*10/30/17 00:48*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*10/27/17 15:58*	*10/30/17 00:48*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*10/27/17 15:58*	*10/30/17 00:48*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*10/27/17 15:58*	*10/30/17 00:48*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*10/27/17 15:58*	*10/30/17 00:48*	*10*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-165-1 (0-2) (102517)

Lab Sample ID: 680-144745-29

Date Collected: 10/25/17 15:10
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 83.7

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.27		0.039	0.0085	mg/Kg	☼	10/27/17 15:58	10/30/17 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*11 - 130*	*10/27/17 15:58*	*10/30/17 01:11*	*1*
2-Fluorophenol (Surr)	*80*		*10 - 130*	*10/27/17 15:58*	*10/30/17 01:11*	*1*
Nitrobenzene-d5 (Surr)	*86*		*18 - 130*	*10/27/17 15:58*	*10/30/17 01:11*	*1*
Phenol-d5 (Surr)	*79*		*10 - 130*	*10/27/17 15:58*	*10/30/17 01:11*	*1*
Terphenyl-d14 (Surr)	*89*		*27 - 130*	*10/27/17 15:58*	*10/30/17 01:11*	*1*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 130*	*10/27/17 15:58*	*10/30/17 01:11*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-165-2 (0-2) (102517)

Lab Sample ID: 680-144745-30

Date Collected: 10/25/17 15:20
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 89.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.012	J	0.037	0.0080	mg/Kg	☼	10/27/17 15:58	10/30/17 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*83*		*11 - 130*	*10/27/17 15:58*	*10/30/17 01:33*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 130*	*10/27/17 15:58*	*10/30/17 01:33*	*1*
Nitrobenzene-d5 (Surr)	*89*		*18 - 130*	*10/27/17 15:58*	*10/30/17 01:33*	*1*
Phenol-d5 (Surr)	*81*		*10 - 130*	*10/27/17 15:58*	*10/30/17 01:33*	*1*
Terphenyl-d14 (Surr)	*90*		*27 - 130*	*10/27/17 15:58*	*10/30/17 01:33*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*24 - 130*	*10/27/17 15:58*	*10/30/17 01:33*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EX-22-1 (0-2) (102517)

Lab Sample ID: 680-144745-31

Date Collected: 10/25/17 16:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 89.5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.013	J	0.037	0.0080	mg/Kg	☼	10/27/17 15:58	10/30/17 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*11 - 130*	*10/27/17 15:58*	*10/30/17 01:55*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 130*	*10/27/17 15:58*	*10/30/17 01:55*	*1*
Nitrobenzene-d5 (Surr)	*80*		*18 - 130*	*10/27/17 15:58*	*10/30/17 01:55*	*1*
Phenol-d5 (Surr)	*75*		*10 - 130*	*10/27/17 15:58*	*10/30/17 01:55*	*1*
Terphenyl-d14 (Surr)	*80*		*27 - 130*	*10/27/17 15:58*	*10/30/17 01:55*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*24 - 130*	*10/27/17 15:58*	*10/30/17 01:55*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EX-22-2 (0-2) (102517)

Lab Sample ID: 680-144745-32

Date Collected: 10/25/17 16:10
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 87.4

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.012	J	0.037	0.0081	mg/Kg	☼	10/27/17 15:58	10/30/17 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*87*		*11 - 130*	*10/27/17 15:58*	*10/30/17 02:18*	*1*
2-Fluorophenol (Surr)	*89*		*10 - 130*	*10/27/17 15:58*	*10/30/17 02:18*	*1*
Nitrobenzene-d5 (Surr)	*92*		*18 - 130*	*10/27/17 15:58*	*10/30/17 02:18*	*1*
Phenol-d5 (Surr)	*88*		*10 - 130*	*10/27/17 15:58*	*10/30/17 02:18*	*1*
Terphenyl-d14 (Surr)	*101*		*27 - 130*	*10/27/17 15:58*	*10/30/17 02:18*	*1*
2,4,6-Tribromophenol (Surr)	*97*		*24 - 130*	*10/27/17 15:58*	*10/30/17 02:18*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EX-22-3 (0-2) (102517)

Lab Sample ID: 680-144745-33

Date Collected: 10/25/17 16:20
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 86.8

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.013	J	0.037	0.0081	mg/Kg	☼	10/27/17 15:58	10/30/17 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*11 - 130*	*10/27/17 15:58*	*10/30/17 02:40*	*1*
2-Fluorophenol (Surr)	*61*		*10 - 130*	*10/27/17 15:58*	*10/30/17 02:40*	*1*
Nitrobenzene-d5 (Surr)	*64*		*18 - 130*	*10/27/17 15:58*	*10/30/17 02:40*	*1*
Phenol-d5 (Surr)	*61*		*10 - 130*	*10/27/17 15:58*	*10/30/17 02:40*	*1*
Terphenyl-d14 (Surr)	*65*		*27 - 130*	*10/27/17 15:58*	*10/30/17 02:40*	*1*
2,4,6-Tribromophenol (Surr)	*69*		*24 - 130*	*10/27/17 15:58*	*10/30/17 02:40*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EB-1 (102517)

Lab Sample ID: 680-144745-34

Date Collected: 10/25/17 16:30

Matrix: Water

Date Received: 10/25/17 17:30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.0076	U	0.055	0.0076	ug/L		10/30/17 15:15	11/01/17 23:44	1
Endrin	0.0058	U	0.055	0.0058	ug/L		10/30/17 15:15	11/01/17 23:44	1
Endrin aldehyde	0.0067	U	0.055	0.0067	ug/L		10/30/17 15:15	11/01/17 23:44	1
Methoxychlor	0.011	U	0.055	0.011	ug/L		10/30/17 15:15	11/01/17 23:44	1
PCB-1254	0.12	U	1.1	0.12	ug/L		10/30/17 15:15	11/01/17 23:44	1
PCB-1260	0.13	U	1.1	0.13	ug/L		10/30/17 15:15	11/01/17 23:44	1
PCB-1262	0.21	U	1.1	0.21	ug/L		10/30/17 15:15	11/01/17 23:44	1
PCB-1268	0.26	U	1.1	0.26	ug/L		10/30/17 15:15	11/01/17 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*31*		*14 - 130*	*10/30/17 15:15*	*11/01/17 23:44*	*1*
Tetrachloro-m-xylene	*61*		*40 - 130*	*10/30/17 15:15*	*11/01/17 23:44*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EB-2 (102517)

Lab Sample ID: 680-144745-35

Date Collected: 10/25/17 16:40

Matrix: Water

Date Received: 10/25/17 17:30

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.097	U	0.97	0.097	ug/L		10/31/17 15:29	11/03/17 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*39 - 133*	*10/31/17 15:29*	*11/03/17 00:30*	*1*
2-Fluorobiphenyl (Surr)	*83*		*31 - 107*	*10/31/17 15:29*	*11/03/17 00:30*	*1*
2-Fluorophenol (Surr)	*75*		*18 - 112*	*10/31/17 15:29*	*11/03/17 00:30*	*1*
Terphenyl-d14 (Surr)	*90*		*22 - 121*	*10/31/17 15:29*	*11/03/17 00:30*	*1*
Phenol-d5 (Surr)	*77*		*20 - 113*	*10/31/17 15:29*	*11/03/17 00:30*	*1*
Nitrobenzene-d5 (Surr)	*92*		*37 - 103*	*10/31/17 15:29*	*11/03/17 00:30*	*1*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(11-130)	(10-130)	(18-130)	(10-130)	(27-130)	(24-130)
680-144745-1	SB-128-1 (0-1) (102417)	0 D	0 D	0 D	0 D	0 D	0 D
680-144745-2	SB-128-2 (0-1) (102417)	0 D	0 D	0 D	0 D	0 D	0 D
680-144745-3	SB-128-3 (0-1) (102417)	86	83	63	81	163 X	87
680-144745-4	DUP-3 (102417)	0 D	0 D	0 D	0 D	0 D	0 D
680-144745-5	SB-159-1 (0-2) (102417)	86	79	52	77	159 X	92
680-144745-6	SB-159-2 (0-2) (102417)	82	81	54	77	144 X	87
680-144745-6 MS	SB-159-2 (0-2) (102417)	77	79	71	79	13 X *	88
680-144745-6 MSD	SB-159-2 (0-2) (102417)	80	77	59	80	18 X *	88
680-144745-7	SB-159-3 (0-2) (102417)	80	79	83	79	86	99
680-144745-8	SB-126-1 (0-1) (102417)	0 D	0 D	0 D	0 D	0 D	0 D
680-144745-9	SB-126-2 (0-1) (102417)	83	78	55	78	145 X	93
680-144745-10	SB-126-3 (0-1) (102417)	89	77	54	73	141 X	92
680-144745-15	DS-9-1 (0-2) (102417)	81	76	45	73	43	84
680-144745-16	DS-9-2 (0-4) (102417)	39	36	43	39	34	41
680-144745-17	DS-9-3 (0-4) (102417)	77	70	37	68	175 * X	83
680-144745-18	DS-9-4 (0-4) (102417)	50	49	28	45	67	53
680-144745-19	SB-168-1 (0-2) (102517)	75	80	86	82	72	84
680-144745-19 MS	SB-168-1 (0-2) (102517)	76	79	83	81	68	83
680-144745-19 MSD	SB-168-1 (0-2) (102517)	24	24	26	23	23 X	26
680-144745-20	SB-168-2 (0-2) (102517)	64	55	33	59	135 * X	67
680-144745-21	SB-168-3 (0-2) (102517)	82	88	51	82	156 * X	88
680-144745-22	SB-189-1 (0-2) (102517)	81	85	49	78	154 * X	87
680-144745-23	SB-189-2 (0-2) (102517)	71	66	39	63	114	79
680-144745-24	SB-189-3 (0-2) (102517)	80	80	48	76	154 X	86
680-144745-25	EX-21-1 (0-2) (102517)	42	40	45	44	45	48
680-144745-26	EX-21-2 (0-2) (102517)	0 D	0 D	0 D	0 D	0 D	0 D
680-144745-27	SB-198-1 (0-2) (102517)	82	84	87	85	96	90
680-144745-28	SB-198-2 (0-2) (102517)	0 D	0 D	0 D	0 D	0 D	0 D
680-144745-29	SB-165-1 (0-2) (102517)	78	80	86	79	89	87
680-144745-30	SB-165-2 (0-2) (102517)	83	82	89	81	90	91
680-144745-31	EX-22-1 (0-2) (102517)	75	75	80	75	80	77
680-144745-32	EX-22-2 (0-2) (102517)	87	89	92	88	101	97
680-144745-33	EX-22-3 (0-2) (102517)	62	61	64	61	65	69
LCS 680-500243/22-A	Lab Control Sample	82	77	86	82	92	96
LCS 680-500673/22-A	Lab Control Sample	82	80	76	83	92	91
MB 680-500243/21-A	Method Blank	78	79	82	79	93	92
MB 680-500673/21-A	Method Blank	86	94	82	95	93	86

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	TPH	PHL	NBZ
Lab Sample ID	Client Sample ID	(39-133)	(31-107)	(18-112)	(22-121)	(20-113)	(37-103)
680-144745-35	EB-2 (102517)	89	83	75	90	77	92
LCS 680-500722/15-A	Lab Control Sample	94	77	75	75	83	87
MB 680-500722/14-A	Method Blank	96	89	87	98	92	101

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TPH = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-144745-11	SB-202-1 (0-2) (102417)	48 X	69
LCS 680-500337/20-A	Lab Control Sample	76	82
MB 680-500337/16-A	Method Blank	88	95

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-144745-12	DUP-1 (102417)	45 X	88
680-144745-13	SB-202-2 (0-2) (102417)	18 p X	77

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX2
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-144745-14	SB-137-1 (0-1) (102417)	28 p X	69

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCB2	TCX1								
Lab Sample ID	Client Sample ID	(54-133)	(46-130)								
LCS 680-500337/17-A	Lab Control Sample	79	86								

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		DCB2	TCX2								
Lab Sample ID	Client Sample ID	(14-130)	(40-130)								
680-144745-34	EB-1 (102517)	31	61								
LCS 680-500551/16-A	Lab Control Sample	47	71								
LCS 680-500551/19-A	Lab Control Sample	45	68								
MB 680-500551/15-A	Method Blank	46	61								

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-500243/21-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500446 — **Prep Batch: 500243**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0070	U	0.032	0.0070	mg/Kg		10/27/17 15:58	10/29/17 16:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*78*		*11 - 130*	*10/27/17 15:58*	*10/29/17 16:56*	*1*
2-Fluorophenol (Surr)	*79*		*10 - 130*	*10/27/17 15:58*	*10/29/17 16:56*	*1*
Phenol-d5 (Surr)	*79*		*10 - 130*	*10/27/17 15:58*	*10/29/17 16:56*	*1*
Terphenyl-d14 (Surr)	*93*		*27 - 130*	*10/27/17 15:58*	*10/29/17 16:56*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 130*	*10/27/17 15:58*	*10/29/17 16:56*	*1*
Nitrobenzene-d5 (Surr)	*82*		*18 - 130*	*10/27/17 15:58*	*10/29/17 16:56*	*1*

Lab Sample ID: LCS 680-500243/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500446 — **Prep Batch: 500243**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.326	0.244		mg/Kg		75	10 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*82*		*11 - 130*
2-Fluorophenol (Surr)	*77*		*10 - 130*
Phenol-d5 (Surr)	*82*		*10 - 130*
Terphenyl-d14 (Surr)	*92*		*27 - 130*
2,4,6-Tribromophenol (Surr)	*96*		*24 - 130*
Nitrobenzene-d5 (Surr)	*86*		*18 - 130*

Lab Sample ID: 680-144745-19 MS — **Client Sample ID: SB-168-1 (0-2) (102517)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500446 — **Prep Batch: 500243**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.086	F2 F1	0.407	0.440		mg/Kg	☼	87	10 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*76*		*11 - 130*
2-Fluorophenol (Surr)	*79*		*10 - 130*
Nitrobenzene-d5 (Surr)	*83*		*18 - 130*
Phenol-d5 (Surr)	*81*		*10 - 130*
Terphenyl-d14 (Surr)	*68*		*27 - 130*
2,4,6-Tribromophenol (Surr)	*83*		*24 - 130*

Lab Sample ID: 680-144745-19 MSD — **Client Sample ID: SB-168-1 (0-2) (102517)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500446 — **Prep Batch: 500243**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.086	F2 F1	0.411	0.119	F2 F1	mg/Kg	☼	8	10 - 130	115	50

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-144745-19 MSD — **Client Sample ID: SB-168-1 (0-2) (102517)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500446 — **Prep Batch: 500243**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	24		11 - 130
2-Fluorophenol (Surr)	24		10 - 130
Nitrobenzene-d5 (Surr)	26		18 - 130
Phenol-d5 (Surr)	23		10 - 130
Terphenyl-d14 (Surr)	23	X	27 - 130
2,4,6-Tribromophenol (Surr)	26		24 - 130

Lab Sample ID: MB 680-500673/21-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500852 — **Prep Batch: 500673**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0072	U	0.033	0.0072	mg/Kg		10/31/17 17:53	11/01/17 14:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		11 - 130	10/31/17 17:53	11/01/17 14:46	1
2-Fluorophenol (Surr)	94		10 - 130	10/31/17 17:53	11/01/17 14:46	1
Phenol-d5 (Surr)	95		10 - 130	10/31/17 17:53	11/01/17 14:46	1
Terphenyl-d14 (Surr)	93		27 - 130	10/31/17 17:53	11/01/17 14:46	1
2,4,6-Tribromophenol (Surr)	86		24 - 130	10/31/17 17:53	11/01/17 14:46	1
Nitrobenzene-d5 (Surr)	82		18 - 130	10/31/17 17:53	11/01/17 14:46	1

Lab Sample ID: LCS 680-500673/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500852 — **Prep Batch: 500673**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1'-Biphenyl			0.328	0.244		mg/Kg		74	10 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	82		11 - 130
2-Fluorophenol (Surr)	80		10 - 130
Phenol-d5 (Surr)	83		10 - 130
Terphenyl-d14 (Surr)	92		27 - 130
2,4,6-Tribromophenol (Surr)	91		24 - 130
Nitrobenzene-d5 (Surr)	76		18 - 130

Lab Sample ID: 680-144745-6 MS — **Client Sample ID: SB-159-2 (0-2) (102417)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500852 — **Prep Batch: 500673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1'-Biphenyl	0.15		0.365	0.376		mg/Kg	☼	61	10 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	77		11 - 130
2-Fluorophenol (Surr)	79		10 - 130

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-144745-6 MS — **Client Sample ID: SB-159-2 (0-2) (102417)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500852 — **Prep Batch: 500673**

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	71		18 - 130
Phenol-d5 (Surr)	79		10 - 130
Terphenyl-d14 (Surr)	13	X *	27 - 130
2,4,6-Tribromophenol (Surr)	88		24 - 130

Lab Sample ID: 680-144745-6 MSD — **Client Sample ID: SB-159-2 (0-2) (102417)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500852 — **Prep Batch: 500673**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.15		0.369	0.351		mg/Kg	☼	54	10 - 130	7	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	80		11 - 130
2-Fluorophenol (Surr)	77		10 - 130
Nitrobenzene-d5 (Surr)	59		18 - 130
Phenol-d5 (Surr)	80		10 - 130
Terphenyl-d14 (Surr)	18	X *	27 - 130
2,4,6-Tribromophenol (Surr)	88		24 - 130

Lab Sample ID: MB 680-500722/14-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 501034 — **Prep Batch: 500722**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		10/31/17 15:29	11/02/17 20:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	89		31 - 107	10/31/17 15:29	11/02/17 20:24	1
2-Fluorophenol (Surr)	87		18 - 112	10/31/17 15:29	11/02/17 20:24	1
Phenol-d5 (Surr)	92		20 - 113	10/31/17 15:29	11/02/17 20:24	1
Terphenyl-d14 (Surr)	98		22 - 121	10/31/17 15:29	11/02/17 20:24	1
2,4,6-Tribromophenol (Surr)	96		39 - 133	10/31/17 15:29	11/02/17 20:24	1
Nitrobenzene-d5 (Surr)	101		37 - 103	10/31/17 15:29	11/02/17 20:24	1

Lab Sample ID: LCS 680-500722/15-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 501034 — **Prep Batch: 500722**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	10.0	7.34		ug/L		73	35 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	77		31 - 107
2-Fluorophenol (Surr)	75		18 - 112
Phenol-d5 (Surr)	83		20 - 113
Terphenyl-d14 (Surr)	75		22 - 121

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 680-500722/15-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 501034 — **Prep Batch: 500722**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	94		39 - 133
Nitrobenzene-d5 (Surr)	87		37 - 103

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-500337/16-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500742 — **Prep Batch: 500337**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.21	U	1.6	0.21	ug/Kg		10/31/17 10:04	10/31/17 16:56	1
Endrin	0.21	U	1.6	0.21	ug/Kg		10/31/17 10:04	10/31/17 16:56	1
Endrin aldehyde	0.21	U	1.6	0.21	ug/Kg		10/31/17 10:04	10/31/17 16:56	1
Methoxychlor	0.27	U	1.6	0.27	ug/Kg		10/31/17 10:04	10/31/17 16:56	1
PCB-1254	0.0095	U	0.031	0.0095	mg/Kg		10/31/17 10:04	10/31/17 16:56	1
PCB-1260	0.0091	U	0.031	0.0091	mg/Kg		10/31/17 10:04	10/31/17 16:56	1
PCB-1262	5.8	U	31	5.8	ug/Kg		10/31/17 10:04	10/31/17 16:56	1
PCB-1268	5.2	U	31	5.2	ug/Kg		10/31/17 10:04	10/31/17 16:56	1
Total PCB	4.8	U	31	4.8	ug/Kg		10/31/17 10:04	10/31/17 16:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		54 - 133	10/31/17 10:04	10/31/17 16:56	1
Tetrachloro-m-xylene	95		46 - 130	10/31/17 10:04	10/31/17 16:56	1

Lab Sample ID: LCS 680-500337/17-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500742 — **Prep Batch: 500337**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	0.377	0.375		mg/Kg		99	45 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	79		54 - 133
Tetrachloro-m-xylene	86		46 - 130

Lab Sample ID: LCS 680-500337/20-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500742 — **Prep Batch: 500337**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DDT	6.28	5.50		ug/Kg		88	45 - 144
Endrin	6.28	5.64		ug/Kg		90	46 - 155
Endrin aldehyde	6.28	5.48		ug/Kg		87	41 - 135
Methoxychlor	6.28	5.52		ug/Kg		88	43 - 166

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-500337/20-A
Matrix: Solid
Analysis Batch: 500742

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 500337

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*76*		*54 - 133*
Tetrachloro-m-xylene	*82*		*46 - 130*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Lab Sample ID: MB 680-500551/15-A
Matrix: Water
Analysis Batch: 500898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 500551

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.0070	U	0.050	0.0070	ug/L		10/30/17 15:15	11/01/17 16:32	1
Endrin	0.0053	U	0.050	0.0053	ug/L		10/30/17 15:15	11/01/17 16:32	1
Endrin aldehyde	0.0061	U	0.050	0.0061	ug/L		10/30/17 15:15	11/01/17 16:32	1
Methoxychlor	0.0098	U	0.050	0.0098	ug/L		10/30/17 15:15	11/01/17 16:32	1
PCB-1254	0.11	U	1.0	0.11	ug/L		10/30/17 15:15	11/01/17 16:32	1
PCB-1260	0.12	U	1.0	0.12	ug/L		10/30/17 15:15	11/01/17 16:32	1
PCB-1262	0.19	U	1.0	0.19	ug/L		10/30/17 15:15	11/01/17 16:32	1
PCB-1268	0.24	U	1.0	0.24	ug/L		10/30/17 15:15	11/01/17 16:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*46*		*14 - 130*	*10/30/17 15:15*	*11/01/17 16:32*	*1*
Tetrachloro-m-xylene	*61*		*40 - 130*	*10/30/17 15:15*	*11/01/17 16:32*	*1*

Lab Sample ID: LCS 680-500551/16-A
Matrix: Water
Analysis Batch: 500898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 500551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DDT	0.100	0.102		ug/L		102	47 - 134
Endrin	0.100	0.103		ug/L		103	59 - 143
Endrin aldehyde	0.100	0.111		ug/L		111	45 - 166
Methoxychlor	0.100	0.110		ug/L		110	52 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*47*		*14 - 130*
Tetrachloro-m-xylene	*71*		*40 - 130*

Lab Sample ID: LCS 680-500551/19-A
Matrix: Water
Analysis Batch: 500898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 500551

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	6.00	4.54		ug/L		76	35 - 130

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC (Continued)

Lab Sample ID: LCS 680-500551/19-A
Matrix: Water
Analysis Batch: 500898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 500551

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	45		14 - 130
Tetrachloro-m-xylene	68		40 - 130

GC/MS Semi VOA

Prep Batch: 500243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-19	SB-168-1 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-26	EX-21-2 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-27	SB-198-1 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-28	SB-198-2 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-29	SB-165-1 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-30	SB-165-2 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-31	EX-22-1 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-32	EX-22-2 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-33	EX-22-3 (0-2) (102517)	Total/NA	Solid	3546	
MB 680-500243/21-A	Method Blank	Total/NA	Solid	3546	
LCS 680-500243/22-A	Lab Control Sample	Total/NA	Solid	3546	
680-144745-19 MS	SB-168-1 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-19 MSD	SB-168-1 (0-2) (102517)	Total/NA	Solid	3546	

Analysis Batch: 500446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-19	SB-168-1 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
680-144745-26	EX-21-2 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
680-144745-27	SB-198-1 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
680-144745-28	SB-198-2 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
680-144745-29	SB-165-1 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
680-144745-30	SB-165-2 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
680-144745-31	EX-22-1 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
680-144745-32	EX-22-2 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
680-144745-33	EX-22-3 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
MB 680-500243/21-A	Method Blank	Total/NA	Solid	8270D LL	500243
LCS 680-500243/22-A	Lab Control Sample	Total/NA	Solid	8270D LL	500243
680-144745-19 MS	SB-168-1 (0-2) (102517)	Total/NA	Solid	8270D LL	500243
680-144745-19 MSD	SB-168-1 (0-2) (102517)	Total/NA	Solid	8270D LL	500243

Prep Batch: 500673

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-1	SB-128-1 (0-1) (102417)	Total/NA	Solid	3546	
680-144745-2	SB-128-2 (0-1) (102417)	Total/NA	Solid	3546	
680-144745-3	SB-128-3 (0-1) (102417)	Total/NA	Solid	3546	
680-144745-4	DUP-3 (102417)	Total/NA	Solid	3546	
680-144745-5	SB-159-1 (0-2) (102417)	Total/NA	Solid	3546	
680-144745-6	SB-159-2 (0-2) (102417)	Total/NA	Solid	3546	
680-144745-7	SB-159-3 (0-2) (102417)	Total/NA	Solid	3546	
680-144745-8	SB-126-1 (0-1) (102417)	Total/NA	Solid	3546	
680-144745-9	SB-126-2 (0-1) (102417)	Total/NA	Solid	3546	
680-144745-10	SB-126-3 (0-1) (102417)	Total/NA	Solid	3546	
680-144745-15	DS-9-1 (0-2) (102417)	Total/NA	Solid	3546	
680-144745-16	DS-9-2 (0-4) (102417)	Total/NA	Solid	3546	
680-144745-17	DS-9-3 (0-4) (102417)	Total/NA	Solid	3546	
680-144745-18	DS-9-4 (0-4) (102417)	Total/NA	Solid	3546	
680-144745-20	SB-168-2 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-21	SB-168-3 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-22	SB-189-1 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-23	SB-189-2 (0-2) (102517)	Total/NA	Solid	3546	
680-144745-24	SB-189-3 (0-2) (102517)	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 500673 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-25	EX-21-1 (0-2) (102517)	Total/NA	Solid	3546	
MB 680-500673/21-A	Method Blank	Total/NA	Solid	3546	
LCS 680-500673/22-A	Lab Control Sample	Total/NA	Solid	3546	
680-144745-6 MS	SB-159-2 (0-2) (102417)	Total/NA	Solid	3546	
680-144745-6 MSD	SB-159-2 (0-2) (102417)	Total/NA	Solid	3546	

Prep Batch: 500722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-35	EB-2 (102517)	Total/NA	Water	3520C	
MB 680-500722/14-A	Method Blank	Total/NA	Water	3520C	
LCS 680-500722/15-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 500852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-3	SB-128-3 (0-1) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-5	SB-159-1 (0-2) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-6	SB-159-2 (0-2) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-9	SB-126-2 (0-1) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-10	SB-126-3 (0-1) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-15	DS-9-1 (0-2) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-17	DS-9-3 (0-4) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-18	DS-9-4 (0-4) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-20	SB-168-2 (0-2) (102517)	Total/NA	Solid	8270D LL	500673
680-144745-21	SB-168-3 (0-2) (102517)	Total/NA	Solid	8270D LL	500673
680-144745-22	SB-189-1 (0-2) (102517)	Total/NA	Solid	8270D LL	500673
680-144745-23	SB-189-2 (0-2) (102517)	Total/NA	Solid	8270D LL	500673
680-144745-24	SB-189-3 (0-2) (102517)	Total/NA	Solid	8270D LL	500673
MB 680-500673/21-A	Method Blank	Total/NA	Solid	8270D LL	500673
LCS 680-500673/22-A	Lab Control Sample	Total/NA	Solid	8270D LL	500673
680-144745-6 MS	SB-159-2 (0-2) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-6 MSD	SB-159-2 (0-2) (102417)	Total/NA	Solid	8270D LL	500673

Analysis Batch: 501034

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-2	SB-128-2 (0-1) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-4	DUP-3 (102417)	Total/NA	Solid	8270D LL	500673
680-144745-7	SB-159-3 (0-2) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-8	SB-126-1 (0-1) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-16	DS-9-2 (0-4) (102417)	Total/NA	Solid	8270D LL	500673
680-144745-25	EX-21-1 (0-2) (102517)	Total/NA	Solid	8270D LL	500673
680-144745-35	EB-2 (102517)	Total/NA	Water	8270D LL	500722
MB 680-500722/14-A	Method Blank	Total/NA	Water	8270D LL	500722
LCS 680-500722/15-A	Lab Control Sample	Total/NA	Water	8270D LL	500722

Analysis Batch: 501424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-1	SB-128-1 (0-1) (102417)	Total/NA	Solid	8270D LL	500673

GC Semi VOA

Prep Batch: 500337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11	SB-202-1 (0-2) (102417)	Total/NA	Solid	3546	
680-144745-12	DUP-1 (102417)	Total/NA	Solid	3546	
680-144745-13	SB-202-2 (0-2) (102417)	Total/NA	Solid	3546	
680-144745-14	SB-137-1 (0-1) (102417)	Total/NA	Solid	3546	
MB 680-500337/16-A	Method Blank	Total/NA	Solid	3546	
LCS 680-500337/17-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-500337/20-A	Lab Control Sample	Total/NA	Solid	3546	

Prep Batch: 500551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-34	EB-1 (102517)	Total/NA	Water	3520C	
MB 680-500551/15-A	Method Blank	Total/NA	Water	3520C	
LCS 680-500551/16-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-500551/19-A	Lab Control Sample	Total/NA	Water	3520C	

Analysis Batch: 500742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11	SB-202-1 (0-2) (102417)	Total/NA	Solid	8081B/8082A	500337
680-144745-12	DUP-1 (102417)	Total/NA	Solid	8081B/8082A	500337
680-144745-13	SB-202-2 (0-2) (102417)	Total/NA	Solid	8081B/8082A	500337
680-144745-14	SB-137-1 (0-1) (102417)	Total/NA	Solid	8081B/8082A	500337
MB 680-500337/16-A	Method Blank	Total/NA	Solid	8081B/8082A	500337
LCS 680-500337/17-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	500337
LCS 680-500337/20-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	500337

Analysis Batch: 500890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11	SB-202-1 (0-2) (102417)	Total/NA	Solid	8081B/8082A	500337
680-144745-14	SB-137-1 (0-1) (102417)	Total/NA	Solid	8081B/8082A	500337

Analysis Batch: 500898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-500551/15-A	Method Blank	Total/NA	Water	8082A	500551
LCS 680-500551/16-A	Lab Control Sample	Total/NA	Water	8082A	500551
LCS 680-500551/19-A	Lab Control Sample	Total/NA	Water	8082A	500551

Analysis Batch: 500956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-34	EB-1 (102517)	Total/NA	Water	8082A	500551

General Chemistry

Analysis Batch: 500224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-1	SB-128-1 (0-1) (102417)	Total/NA	Solid	Moisture	
680-144745-2	SB-128-2 (0-1) (102417)	Total/NA	Solid	Moisture	
680-144745-3	SB-128-3 (0-1) (102417)	Total/NA	Solid	Moisture	
680-144745-4	DUP-3 (102417)	Total/NA	Solid	Moisture	
680-144745-5	SB-159-1 (0-2) (102417)	Total/NA	Solid	Moisture	
680-144745-6	SB-159-2 (0-2) (102417)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 500224 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-7	SB-159-3 (0-2) (102417)	Total/NA	Solid	Moisture	
680-144745-8	SB-126-1 (0-1) (102417)	Total/NA	Solid	Moisture	
680-144745-9	SB-126-2 (0-1) (102417)	Total/NA	Solid	Moisture	
680-144745-10	SB-126-3 (0-1) (102417)	Total/NA	Solid	Moisture	
680-144745-11	SB-202-1 (0-2) (102417)	Total/NA	Solid	Moisture	
680-144745-12	DUP-1 (102417)	Total/NA	Solid	Moisture	
680-144745-13	SB-202-2 (0-2) (102417)	Total/NA	Solid	Moisture	
680-144745-14	SB-137-1 (0-1) (102417)	Total/NA	Solid	Moisture	
680-144745-15	DS-9-1 (0-2) (102417)	Total/NA	Solid	Moisture	
680-144745-16	DS-9-2 (0-4) (102417)	Total/NA	Solid	Moisture	
680-144745-17	DS-9-3 (0-4) (102417)	Total/NA	Solid	Moisture	
680-144745-18	DS-9-4 (0-4) (102417)	Total/NA	Solid	Moisture	
680-144745-19	SB-168-1 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-20	SB-168-2 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-21	SB-168-3 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-22	SB-189-1 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-23	SB-189-2 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-24	SB-189-3 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-25	EX-21-1 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-26	EX-21-2 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-27	SB-198-1 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-28	SB-198-2 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-29	SB-165-1 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-30	SB-165-2 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-31	EX-22-1 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-32	EX-22-2 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-33	EX-22-3 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-6 MS	SB-159-2 (0-2) (102417)	Total/NA	Solid	Moisture	
680-144745-6 MSD	SB-159-2 (0-2) (102417)	Total/NA	Solid	Moisture	
680-144745-19 MS	SB-168-1 (0-2) (102517)	Total/NA	Solid	Moisture	
680-144745-19 MSD	SB-168-1 (0-2) (102517)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-128-1 (0-1) (102417)

Lab Sample ID: 680-144745-1
Date Collected: 10/24/17 09:30
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-128-1 (0-1) (102417)

Lab Sample ID: 680-144745-1
Date Collected: 10/24/17 09:30
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.43 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		2000			501424	11/06/17 16:35	UI	TAL SAV

Client Sample ID: SB-128-2 (0-1) (102417)

Lab Sample ID: 680-144745-2
Date Collected: 10/24/17 09:40
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-128-2 (0-1) (102417)

Lab Sample ID: 680-144745-2
Date Collected: 10/24/17 09:40
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.84 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		10			501034	11/02/17 18:09	OK	TAL SAV

Client Sample ID: SB-128-3 (0-1) (102417)

Lab Sample ID: 680-144745-3
Date Collected: 10/24/17 09:50
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-128-3 (0-1) (102417)

Lab Sample ID: 680-144745-3
Date Collected: 10/24/17 09:50
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.88 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 17:12	OK	TAL SAV

Client Sample ID: DUP-3 (102417)

Lab Sample ID: 680-144745-4
Date Collected: 10/24/17 00:00
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: DUP-3 (102417)

Lab Sample ID: 680-144745-4
Date Collected: 10/24/17 00:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 93.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.00 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		10			501034	11/02/17 18:32	OK	TAL SAV

Client Sample ID: SB-159-1 (0-2) (102417)

Lab Sample ID: 680-144745-5
Date Collected: 10/24/17 10:00
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-159-1 (0-2) (102417)

Lab Sample ID: 680-144745-5
Date Collected: 10/24/17 10:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.96 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 18:01	OK	TAL SAV

Client Sample ID: SB-159-2 (0-2) (102417)

Lab Sample ID: 680-144745-6
Date Collected: 10/24/17 10:10
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-159-2 (0-2) (102417)

Lab Sample ID: 680-144745-6
Date Collected: 10/24/17 10:10
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.92 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 18:25	OK	TAL SAV

Client Sample ID: SB-159-3 (0-2) (102417)

Lab Sample ID: 680-144745-7
Date Collected: 10/24/17 10:20
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-159-3 (0-2) (102417)

Lab Sample ID: 680-144745-7
Date Collected: 10/24/17 10:20
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.18 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		5			501034	11/02/17 18:55	OK	TAL SAV

Client Sample ID: SB-126-1 (0-1) (102417)

Lab Sample ID: 680-144745-8
Date Collected: 10/24/17 10:50
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-126-1 (0-1) (102417)

Lab Sample ID: 680-144745-8
Date Collected: 10/24/17 10:50
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.82 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		10			501034	11/02/17 19:17	OK	TAL SAV

Client Sample ID: SB-126-2 (0-1) (102417)

Lab Sample ID: 680-144745-9
Date Collected: 10/24/17 11:00
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-126-2 (0-1) (102417)

Lab Sample ID: 680-144745-9
Date Collected: 10/24/17 11:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.67 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 19:38	OK	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: SB-126-3 (0-1) (102417)

Lab Sample ID: 680-144745-10
Date Collected: 10/24/17 11:10
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-126-3 (0-1) (102417)

Lab Sample ID: 680-144745-10
Date Collected: 10/24/17 11:10
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 20:02	OK	TAL SAV

Client Sample ID: SB-202-1 (0-2) (102417)

Lab Sample ID: 680-144745-11
Date Collected: 10/24/17 14:25
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-202-1 (0-2) (102417)

Lab Sample ID: 680-144745-11
Date Collected: 10/24/17 14:25
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.66 g	10 mL	500337	10/31/17 10:04	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500742	10/31/17 17:39	JCK	TAL SAV
Total/NA	Prep	3546			15.66 g	10 mL	500337	10/31/17 10:04	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		4			500890	11/01/17 16:37	JCK	TAL SAV

Client Sample ID: DUP-1 (102417)

Lab Sample ID: 680-144745-12
Date Collected: 10/24/17 00:00
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: DUP-1 (102417)

Lab Sample ID: 680-144745-12
Date Collected: 10/24/17 00:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.87 g	10 mL	500337	10/31/17 10:04	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500742	10/31/17 17:53	JCK	TAL SAV

Client Sample ID: SB-202-2 (0-2) (102417)

Lab Sample ID: 680-144745-13

Date Collected: 10/24/17 14:35
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-202-2 (0-2) (102417)

Lab Sample ID: 680-144745-13

Date Collected: 10/24/17 14:35
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.76 g	10 mL	500337	10/31/17 10:04	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500742	10/31/17 18:07	JCK	TAL SAV

Client Sample ID: SB-137-1 (0-1) (102417)

Lab Sample ID: 680-144745-14

Date Collected: 10/24/17 14:50
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-137-1 (0-1) (102417)

Lab Sample ID: 680-144745-14

Date Collected: 10/24/17 14:50
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.95 g	10 mL	500337	10/31/17 10:04	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500742	10/31/17 18:22	JCK	TAL SAV
Total/NA	Prep	3546			15.95 g	10 mL	500337	10/31/17 10:04	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		5			500890	11/01/17 16:51	JCK	TAL SAV

Client Sample ID: DS-9-1 (0-2) (102417)

Lab Sample ID: 680-144745-15

Date Collected: 10/24/17 15:30
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: DS-9-1 (0-2) (102417)

Lab Sample ID: 680-144745-15

Date Collected: 10/24/17 15:30
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.50 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 20:26	OK	TAL SAV

Client Sample ID: DS-9-2 (0-4) (102417)

Lab Sample ID: 680-144745-16
Date Collected: 10/24/17 15:40
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: DS-9-2 (0-4) (102417)

Lab Sample ID: 680-144745-16
Date Collected: 10/24/17 15:40
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.60 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		5			501034	11/02/17 19:39	OK	TAL SAV

Client Sample ID: DS-9-3 (0-4) (102417)

Lab Sample ID: 680-144745-17
Date Collected: 10/24/17 15:50
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: DS-9-3 (0-4) (102417)

Lab Sample ID: 680-144745-17
Date Collected: 10/24/17 15:50
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.08 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 21:15	OK	TAL SAV

Client Sample ID: DS-9-4 (0-4) (102417)

Lab Sample ID: 680-144745-18
Date Collected: 10/24/17 16:00
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: DS-9-4 (0-4) (102417)

Lab Sample ID: 680-144745-18
Date Collected: 10/24/17 16:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.92 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 21:39	OK	TAL SAV

Client Sample ID: SB-168-1 (0-2) (102517) — Lab Sample ID: 680-144745-19

Date Collected: 10/25/17 10:40 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-168-1 (0-2) (102517) — Lab Sample ID: 680-144745-19

Date Collected: 10/25/17 10:40 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 81.5**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.46 g	1 mL	500243	10/27/17 15:58	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500446	10/29/17 23:41	NED	TAL SAV

Client Sample ID: SB-168-2 (0-2) (102517) — Lab Sample ID: 680-144745-20

Date Collected: 10/25/17 10:50 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-168-2 (0-2) (102517) — Lab Sample ID: 680-144745-20

Date Collected: 10/25/17 10:50 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 81.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.57 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 22:04	OK	TAL SAV

Client Sample ID: SB-168-3 (0-2) (102517) — Lab Sample ID: 680-144745-21

Date Collected: 10/25/17 11:00 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-168-3 (0-2) (102517) — Lab Sample ID: 680-144745-21

Date Collected: 10/25/17 11:00 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 81.3**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.95 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 22:28	OK	TAL SAV

Client Sample ID: SB-189-1 (0-2) (102517) — Lab Sample ID: 680-144745-22

Date Collected: 10/25/17 11:10 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-189-1 (0-2) (102517) — Lab Sample ID: 680-144745-22

Date Collected: 10/25/17 11:10 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 87.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.66 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 22:53	OK	TAL SAV

Client Sample ID: SB-189-2 (0-2) (102517) — Lab Sample ID: 680-144745-23

Date Collected: 10/25/17 11:20 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-189-2 (0-2) (102517) — Lab Sample ID: 680-144745-23

Date Collected: 10/25/17 11:20 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 82.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.35 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 23:17	OK	TAL SAV

Client Sample ID: SB-189-3 (0-2) (102517) — Lab Sample ID: 680-144745-24

Date Collected: 10/25/17 11:30 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-189-3 (0-2) (102517) — Lab Sample ID: 680-144745-24

Date Collected: 10/25/17 11:30 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 82.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.14 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500852	11/01/17 23:42	OK	TAL SAV

Client Sample ID: EX-21-1 (0-2) (102517) — Lab Sample ID: 680-144745-25

Date Collected: 10/25/17 12:15 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: EX-21-1 (0-2) (102517) — Lab Sample ID: 680-144745-25

Date Collected: 10/25/17 12:15 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 91.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.98 g	1 mL	500673	10/31/17 17:53	JAM	TAL SAV
Total/NA	Analysis	8270D LL		5			501034	11/02/17 20:02	OK	TAL SAV

Client Sample ID: EX-21-2 (0-2) (102517) — Lab Sample ID: 680-144745-26

Date Collected: 10/25/17 12:25 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: EX-21-2 (0-2) (102517) — Lab Sample ID: 680-144745-26

Date Collected: 10/25/17 12:25 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 80.8**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.61 g	1 mL	500243	10/27/17 15:58	JAM	TAL SAV
Total/NA	Analysis	8270D LL		10			500446	10/30/17 00:03	NED	TAL SAV

Client Sample ID: SB-198-1 (0-2) (102517) — Lab Sample ID: 680-144745-27

Date Collected: 10/25/17 14:40 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-198-1 (0-2) (102517) — Lab Sample ID: 680-144745-27

Date Collected: 10/25/17 14:40 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 79.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.04 g	1 mL	500243	10/27/17 15:58	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500446	10/30/17 00:26	NED	TAL SAV

Client Sample ID: SB-198-2 (0-2) (102517) — Lab Sample ID: 680-144745-28

Date Collected: 10/25/17 14:50 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-198-2 (0-2) (102517) — Lab Sample ID: 680-144745-28

Date Collected: 10/25/17 14:50 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 88.4**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.84 g	1 mL	500243	10/27/17 15:58	JAM	TAL SAV
Total/NA	Analysis	8270D LL		10			500446	10/30/17 00:48	NED	TAL SAV

Client Sample ID: SB-165-1 (0-2) (102517) — Lab Sample ID: 680-144745-29

Date Collected: 10/25/17 15:10 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-165-1 (0-2) (102517) — Lab Sample ID: 680-144745-29

Date Collected: 10/25/17 15:10 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 83.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.36 g	1 mL	500243	10/27/17 15:58	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500446	10/30/17 01:11	NED	TAL SAV

Client Sample ID: SB-165-2 (0-2) (102517) — Lab Sample ID: 680-144745-30

Date Collected: 10/25/17 15:20 — **Matrix: Solid**
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: SB-165-2 (0-2) (102517) — Lab Sample ID: 680-144745-30

Date Collected: 10/25/17 15:20 — **Matrix: Solid**
Date Received: 10/25/17 17:30 — **Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.25 g	1 mL	500243	10/27/17 15:58	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500446	10/30/17 01:33	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EX-22-1 (0-2) (102517)

Lab Sample ID: 680-144745-31
Date Collected: 10/25/17 16:00
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: EX-22-1 (0-2) (102517)

Lab Sample ID: 680-144745-31
Date Collected: 10/25/17 16:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.23 g	1 mL	500243	10/27/17 15:58	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500446	10/30/17 01:55	NED	TAL SAV

Client Sample ID: EX-22-2 (0-2) (102517)

Lab Sample ID: 680-144745-32
Date Collected: 10/25/17 16:10
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: EX-22-2 (0-2) (102517)

Lab Sample ID: 680-144745-32
Date Collected: 10/25/17 16:10
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.65 g	1 mL	500243	10/27/17 15:58	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500446	10/30/17 02:18	NED	TAL SAV

Client Sample ID: EX-22-3 (0-2) (102517)

Lab Sample ID: 680-144745-33
Date Collected: 10/25/17 16:20
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500224	10/27/17 09:26	EAB	TAL SAV

Client Sample ID: EX-22-3 (0-2) (102517)

Lab Sample ID: 680-144745-33
Date Collected: 10/25/17 16:20
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.52 g	1 mL	500243	10/27/17 15:58	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			500446	10/30/17 02:40	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Client Sample ID: EB-1 (102517)

Lab Sample ID: 680-144745-34

Date Collected: 10/25/17 16:30
Matrix: Water
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			916.9 mL	10 mL	500551	10/30/17 15:15	CEW	TAL SAV
Total/NA	Analysis	8082A		1			500956	11/01/17 23:44	JCK	TAL SAV

Client Sample ID: EB-2 (102517)

Lab Sample ID: 680-144745-35

Date Collected: 10/25/17 16:40
Matrix: Water
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1034.4 mL	1 mL	500722	10/31/17 15:29	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			501034	11/03/17 00:30	OK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204789

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: ANDY DAVIS	Site Contact:	Date: 10/25/17	COC No:
Company Name: ARCADIS	Tel/Fax: ANDREW.DAVIS@ARCADIS.COM	Lab Contact:	Carrier:	1 of 3 COCs
Address: 10 PATEWOOD DR. STE. 375	Analysis Turnaround Time			Sampler: M. LOBEL / B. MAYER
City/State/Zip: GREENVILLE SC 29615	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (864) 987-3900	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: ASHLAND	☐ 1 week			
Site: SAVANNAH, GA	☐ 2 days			Job / SDG No.:
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1,1-BIPHENYL 8270D	PCB 8081B/8082A	TEQ 1668C/8290A	Sample Specific Notes:
SB-128-1 (0-1) (102417)	10/24/17	0930	G	SO	1			✓			
SB-128-2 (0-1) (102417)	10/24/17	0940	G	SO	1			✓			
SB-128-3 (0-1) (102417)	10/24/17	0950	G	SO	1			✓			
DUP-3 (102417)	10/24/17	—	G	SO	1			✓			
SB-159-1 (0-2) (102417)	10/24/17	1000	G	SO	1			✓			
SB-159-2 (0-2) (102417)	10/24/17	1010	G	SO	3		Y	✓			MS/MSD
SB-159-3 (0-2) (102417)	10/24/17	1020	G	SO	1			✓			
SB-126-1 (0-1) (102417)	10/24/17	1050	G	SO	1			✓			
SB-126-2 (0-1) (102417)	10/24/17	1100	G	SO	1			✓			
SB-126-3 (0-1) (102417)	10/24/17	1110	G	SO	1			✓			
SB-202-1 (0-2) (102417)	10/24/17	1475	G	SO	2				✓	✓	
DUP-1 (102417)	10/24/17	—	G	SO	2				✓	✓	

680-144745 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Bryan Mayer	Arcadis	10/25/17 1730			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TASAV	Date/Time: 10-25-17 / 1730

3.5°C 2.7°C 7.2°C (cf) 3.7°C 2.9°C 7.5°C

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204790

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	2 of 3 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1,1-BIPHENYL 8270D	PCB 8082A	TEQ 1668C/8290A	Sample Specific Notes:
SB-202-2 (0-2) (102417)	10/24/17	1435	G	So	2				✓	✓	
SB-137-1 (0-1) (102417)	10/24/17	1450	G	So	1				✓		
DS-9-1 (0-2) (102417)	10/24/17	1530	G	So	1			✓			
DS-9-2 (0-4) (102417)	10/24/17	1540	G	So	1			✓			
DS-9-3 (0-4) (102417)	10/24/17	1550	G	So	1			✓			
DS-9-4 (0-4) (102417)	10/24/17	1600	G	So	1			✓			
SB-168-1 (0-2) (102517)	10/25/17	1040	G	So	3		Y	✓			MS/MSD
SB-168-2 (0-2) (102517)	10/25/17	1050	G	So	1			✓			
SB-168-3 (0-2) (102517)	10/25/17	1100	G	So	1			✓			
SB-189-1 (0-2) (102517)	10/25/17	1110	G	So	1			✓			
SB-189-2 (0-2) (102517)	10/25/17	1120	G	So	1			✓			
SB-189-3 (0-2) (102517)	10/25/17	1130	G	So	1			✓			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Bryan Mayer	Arcadis	10/25/17 1730			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TASAV	10-25-17/1730

3.5°C 2.7°C 7.2°C (CF) 3.7°C 2.9°C 7.5°C

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204794

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	3 of 3 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1,1-BIPHENYL 8270D	PCB 8081B/8082A	TCB 1668C/8290A	Sample Specific Notes:
EX-21-1 (0-2) (102517)	10/25/17	1215	G	SO	1			✓			
EX-21-2 (0-2) (102517)	10/25/17	1225	G	SO	1			✓			
SB-198-1 (0-2) (102517)	10/25/17	1440	G	SO	1			✓			
SB-198-2 (0-2) (102517)	10/25/17	1450	G	SO	1			✓			
SB-165-1 (0-2) (102517)	10/25/17	1510	G	SO	1			✓			
SB-165-2 (0-2) (102517)	10/25/17	1520	G	SO	1			✓			
EX-22-1 (0-2) (102517)	10/25/17	1600	G	SO	1			✓			
EX-22-2 (0-2) (102517)	10/25/17	1610	G	SO	1			✓			
EX-22-3 (0-2) (102517)	10/25/17	1620	G	SO	1			✓			
EB-1 (102517)	10/25/17	1630	G	WT	6				✓	✓	
EB-2 (102517)	10/25/17	1640	G	WT	2			✓			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ✓ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ✓ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Bryan Mayeux	Arcadis	10/25/17 1730			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TASAV	Date/Time: 10-25-17 / 1730

3.5°C 2.7°C 7.2°C (CF) 3.7°C 2.9°C 7.5°C

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-495806.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-144745-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/10/2017			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sox_P Full List (209 Comb/Coel)	8290A/8290_P_Sox 17 Isomers & Totals	Total_PCB_Cong	Total_TEQ	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	8290A/8290_P_Sep 17 Isomers & Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SB-202-1 (0-2) (102417) (680-144745-11)	10/24/17	14:25 Eastern		Solid			X	X	X	X			1	run as straight as possible, Caution, may have high levels, hold glassware
DUP-1 (102417) (680-144745-12)	10/24/17	Eastern		Solid			X	X	X	X			1	run as straight as possible, Caution, may have high levels, hold glassware
SB-202-2 (0-2) (102417) (680-144745-13)	10/24/17	14:35 Eastern		Solid			X	X	X	X			1	run as straight as possible, Caution, may have high levels, hold glassware
EB-1 (102517) (680-144745-34)	10/25/17	16:30 Eastern		Water					X	X	X	X	4	, run as straight as possible

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 10-26-17 / 1800	Company: TASAV	Received by:	Date/Time: 10/27/17 1010	Company: TAsvs
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.7		

Ver: 09/20/2016

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-495806.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-144745-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/10/2017			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sox_P Full List (209 Comb/Coel)	8290A/8290_P_Sox 17 Isomers & Totals	Total_PCB_Cong	Total_TEQ	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	8290A/8290_P_Sep 17 Isomers & Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X							X	
SB-202-1 (0-2) (102417) (680-144745-11)	10/24/17	14:25 Eastern		Solid			X	X	X	X			1	run as straight as possible, Caution, may have high levels, hold glassware
DUP-1 (102417) (680-144745-12)	10/24/17	Eastern		Solid			X	X	X	X			1	run as straight as possible, Caution, may have high levels, hold glassware
SB-202-2 (0-2) (102417) (680-144745-13)	10/24/17	14:35 Eastern		Solid			X	X	X	X			1	run as straight as possible, Caution, may have high levels, hold glassware
EB-1 (102517) (680-144745-34)	10/25/17	16:30 Eastern		Water					X	X	X	X	4	, run as straight as possible

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	10-26-17 / 1800	TASAV		10/27/17 1010	TAcs
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-144745-1

Login Number: 144745

List Source: TestAmerica Savannah

List Number: 1

Creator: Anderson, Jordan K

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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.	False	Received same day of collection; chilling process has begun.
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17 *
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17 *
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17 *
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-144745-2
Client Project/Site: Savannah Resins Plant

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
12/8/2017 3:44:11 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-144745-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Savannah Resins Plant

Report Number: 680-144745-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 10/25/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.9º C, 3.7º C and 7.5º C.

CHLORINATED BIPHENYL CONGENERS

Sample EB-1 (102517) (680-144745-34) was analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were prepared on 11/01/2017 and analyzed on 11/03/2017.

Several analytes were detected in method blank MB 320-192269/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS

Samples SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12) and SB-202-2 (0-2) (102417) (680-144745-13) were analyzed for dioxins and furans in accordance with EPA Method 8290A. The samples were prepared on 11/02/2017 and analyzed on 11/15/2017 and 11/17/2017.

The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: SB-202-1 (0-2) (102417) (680-144745-11). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample(s). All detection limits are below the lower calibration.

Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: SB-202-2 (0-2) (102417) (680-144745-13). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12), SB-202-2 (0-2) (102417) (680-144745-13), (680-144854-B-12-A) and (680-144854-B-12-B MS) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The concentration of one or more analytes associated with the following samples exceeded the instrument calibration range: SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12) and SB-202-2 (0-2) (102417) (680-144745-13). These analytes have been qualified; however, the peak(s) did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) 13C-1,2,3,4,6,7,8-HpCDD associated with the following samples: DUP-1 (102417) (680-144745-12), (680-144854-B-12-B MS) and (680-144854-B-12-C MS). The theoretical area for the IDA was

Job ID: 680-144745-2 (Continued)

Laboratory: TestAmerica Savannah (Continued)

used to quantitate recovery and target concentration.

Sample SB-202-2 (0-2) (102417) (680-144745-13)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS

Sample EB-1 (102517) (680-144745-34) was analyzed for dioxins and furans in accordance with EPA SW-846 8290A. The samples were prepared on 11/17/2017 and analyzed on 11/21/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED BIPHENYL CONGENERS

Samples SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12) and SB-202-2 (0-2) (102417) (680-144745-13) were analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were analyzed on 12/05/2017.

There are surrogate recoveries above the method recommended limit for the following sample: DUP-1 (102417) (680-144745-12). Surrogates are not used in the quantitation of any target analytes but for monitoring the efficiency of the extraction process. These elevated recoveries are likely due matrix interferences.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12) and (680-144854-B-12-D) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-202-2 (0-2) (102417) (680-144745-13), (680-144854-B-12-D), (680-144854-B-12-E MS) and (680-144854-B-12-F MS) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The concentration of one or more analytes associated with the following samples exceeded the instrument calibration range: SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12) and (680-144854-B-12-D). These analytes have been qualified; however, the peak(s) did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

The concentration of one or more analytes associated with the following samples exceeded the instrument calibration range: SB-202-1 (0-2) (102417) (680-144745-11), DUP-1 (102417) (680-144745-12), SB-202-2 (0-2) (102417) (680-144745-13), (680-144854-B-12-D), (680-144854-B-12-E MS) and (680-144854-B-12-F MS). These analytes have been qualified; however, the peak(s) did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for 320-192576 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recoveries were within acceptance limits.

There are one or more Ion abundance ratios outside criteria for the Isotope Dilution Analytes (IDA) associated with the following samples: DUP-1 (102417) (680-144745-12), (680-144854-B-12-D), (680-144854-B-12-E MS) and (680-144854-B-12-F MS). The theoretical area for the IDA was used to quantitate recovery and target concentration.

The method blank for 320-192576 contained PCB-118 above the reporting limit (RL). Associated samples were not re-extracted and because results were greater than 10X the value found in the method blank.

The following sample has chromatographic interferences that could adversely impact the identification and quantitation of target analytes: SB-202-2 (0-2) (102417) (680-144745-13) A 50X dilution was attempted but the interferences are still present. The isotope dilution analytes (IDA) PCB-37L , PCB-81L, and PCB-77L were not identifiable due to major undulations in the lockmass and are therefore not reported. All analytes associated with these IDA are also not reported. After consultation with the client TestAmerica was instructed to

Job ID: 680-144745-2 (Continued)

Laboratory: TestAmerica Savannah (Continued)

report the data with these anomalies.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)
Sample EB-1 (102517) (680-144745-34) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 1668. The samples were analyzed on 12/05/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-144745-11	SB-202-1 (0-2) (102417)	Solid	10/24/17 14:25	10/25/17 17:30
680-144745-12	DUP-1 (102417)	Solid	10/24/17 00:00	10/25/17 17:30
680-144745-13	SB-202-2 (0-2) (102417)	Solid	10/24/17 14:35	10/25/17 17:30
680-144745-34	EB-1 (102517)	Water	10/25/17 16:30	10/25/17 17:30

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Method	Method Description	Protocol	Laboratory
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	TAL SAC
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
None	Total PCB Calculation from HRMS PCB-Congeners	TAL SOP	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Qualifiers

Dioxin

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
X	Surrogate is outside 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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: SB-202-1 (0-2) (102417) — Lab Sample ID: 680-144745-11

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.0000093	J	0.000024	0.00000050	mg/Kg	1	☼	1668C	Total/NA
PCB-2	0.0000030	J	0.000024	0.00000038	mg/Kg	1	☼	1668C	Total/NA
PCB-3	0.0000047	J	0.000024	0.00000039	mg/Kg	1	☼	1668C	Total/NA
PCB-4	0.000086		0.000024	0.000010	mg/Kg	1	☼	1668C	Total/NA
PCB-6	0.000034		0.000024	0.0000032	mg/Kg	1	☼	1668C	Total/NA
PCB-8	0.00013		0.000024	0.0000031	mg/Kg	1	☼	1668C	Total/NA
PCB-9	0.0000080	J	0.000024	0.0000032	mg/Kg	1	☼	1668C	Total/NA
PCB-11	0.000012	J	0.000024	0.0000031	mg/Kg	1	☼	1668C	Total/NA
PCB-12/13	0.000012	J q	0.000049	0.0000031	mg/Kg	1	☼	1668C	Total/NA
PCB-15	0.00013		0.000024	0.0000031	mg/Kg	1	☼	1668C	Total/NA
PCB-16	0.00073		0.000024	0.0000057	mg/Kg	1	☼	1668C	Total/NA
PCB-17	0.00064		0.000024	0.0000043	mg/Kg	1	☼	1668C	Total/NA
PCB-18/30	0.0019	B	0.000049	0.0000037	mg/Kg	1	☼	1668C	Total/NA
PCB-19	0.00018		0.000024	0.0000032	mg/Kg	1	☼	1668C	Total/NA
PCB-20/28	0.0023	B	0.000049	0.000044	mg/Kg	1	☼	1668C	Total/NA
PCB-21/33	0.0011	B	0.000049	0.000042	mg/Kg	1	☼	1668C	Total/NA
PCB-22	0.00067	G	0.000046	0.000046	mg/Kg	1	☼	1668C	Total/NA
PCB-25	0.00016	G	0.000043	0.000043	mg/Kg	1	☼	1668C	Total/NA
PCB-26/29	0.00035		0.000049	0.000043	mg/Kg	1	☼	1668C	Total/NA
PCB-27	0.00014		0.000024	0.0000032	mg/Kg	1	☼	1668C	Total/NA
PCB-31	0.0024	G B	0.000040	0.000040	mg/Kg	1	☼	1668C	Total/NA
PCB-32	0.00055		0.000024	0.0000031	mg/Kg	1	☼	1668C	Total/NA
PCB-36	0.00020	G	0.000041	0.000041	mg/Kg	1	☼	1668C	Total/NA
PCB-37	0.00051	G	0.000078	0.000078	mg/Kg	1	☼	1668C	Total/NA
PCB-40/71	0.0042	B	0.000049	0.000021	mg/Kg	1	☼	1668C	Total/NA
PCB-42	0.0014	B	0.000024	0.000023	mg/Kg	1	☼	1668C	Total/NA
PCB-44/47/65	0.017	E B	0.000073	0.000020	mg/Kg	1	☼	1668C	Total/NA
PCB-45	0.0014		0.000024	0.000024	mg/Kg	1	☼	1668C	Total/NA
PCB-46	0.00044	G	0.000025	0.000025	mg/Kg	1	☼	1668C	Total/NA
PCB-48	0.0015	B	0.000024	0.000021	mg/Kg	1	☼	1668C	Total/NA
PCB-49/69	0.0084	E B	0.000049	0.000018	mg/Kg	1	☼	1668C	Total/NA
PCB-50/53	0.0014	B	0.000049	0.000020	mg/Kg	1	☼	1668C	Total/NA
PCB-51	0.00029		0.000024	0.000020	mg/Kg	1	☼	1668C	Total/NA
PCB-52	0.040	E B	0.000024	0.000021	mg/Kg	1	☼	1668C	Total/NA
PCB-54	0.000017	J	0.000024	0.00000023	mg/Kg	1	☼	1668C	Total/NA
PCB-56	0.0042	E G	0.00027	0.00027	mg/Kg	1	☼	1668C	Total/NA
PCB-58	0.0014	G	0.00025	0.00025	mg/Kg	1	☼	1668C	Total/NA
PCB-59/62/75	0.00064		0.000073	0.000016	mg/Kg	1	☼	1668C	Total/NA
PCB-60	0.0018	G	0.00025	0.00025	mg/Kg	1	☼	1668C	Total/NA
PCB-61/70/74/76	0.030	E G B	0.00025	0.00025	mg/Kg	1	☼	1668C	Total/NA
PCB-64	0.0042	E B	0.000024	0.000015	mg/Kg	1	☼	1668C	Total/NA
PCB-66	0.011	E G B	0.00026	0.00026	mg/Kg	1	☼	1668C	Total/NA
PCB-77	0.0011	G	0.00027	0.00027	mg/Kg	1	☼	1668C	Total/NA
PCB-79	0.00081	G	0.00023	0.00023	mg/Kg	1	☼	1668C	Total/NA
PCB-80	0.00047	G	0.00022	0.00022	mg/Kg	1	☼	1668C	Total/NA
PCB-82	0.0097	E G	0.0017	0.0017	mg/Kg	1	☼	1668C	Total/NA
PCB-84	0.029	E G B	0.0016	0.0016	mg/Kg	1	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-202-1 (0-2) (102417) (Continued) — Lab Sample ID: 680-144745-11

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-85/116/117	0.018	E q G	0.0012	0.0012	mg/Kg	1	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.073	E G B	0.0012	0.0012	mg/Kg	1	☼	1668C	Total/NA
PCB-88/91	0.012	E G	0.0014	0.0014	mg/Kg	1	☼	1668C	Total/NA
PCB-92	0.020	E G B	0.0015	0.0015	mg/Kg	1	☼	1668C	Total/NA
PCB-107/124	0.0037	G	0.0011	0.0011	mg/Kg	1	☼	1668C	Total/NA
PCB-95	0.051	E G B	0.0014	0.0014	mg/Kg	1	☼	1668C	Total/NA
PCB-96	0.00058		0.000024	0.0000010	mg/Kg	1	☼	1668C	Total/NA
PCB-98/102	0.0022	G	0.0013	0.0013	mg/Kg	1	☼	1668C	Total/NA
PCB-99	0.045	E G B	0.0012	0.0012	mg/Kg	1	☼	1668C	Total/NA
PCB-104	0.0000041	J	0.000024	0.00000083	mg/Kg	1	☼	1668C	Total/NA
PCB-105	0.039	E G B	0.0012	0.0012	mg/Kg	1	☼	1668C	Total/NA
PCB-109	0.0059	E G	0.0010	0.0010	mg/Kg	1	☼	1668C	Total/NA
PCB-114	0.0022	G	0.0014	0.0014	mg/Kg	1	☼	1668C	Total/NA
PCB-118	0.092	E G B	0.0012	0.0012	mg/Kg	1	☼	1668C	Total/NA
PCB-122	0.0014	G	0.0012	0.0012	mg/Kg	1	☼	1668C	Total/NA
PCB-128/166	0.022	E G B	0.00051	0.00051	mg/Kg	1	☼	1668C	Total/NA
PCB-130	0.010	E G	0.00068	0.00068	mg/Kg	1	☼	1668C	Total/NA
PCB-131	0.0020	G	0.00062	0.00062	mg/Kg	1	☼	1668C	Total/NA
PCB-132	0.045	E G B	0.00062	0.00062	mg/Kg	1	☼	1668C	Total/NA
PCB-133	0.0012	G	0.00061	0.00061	mg/Kg	1	☼	1668C	Total/NA
PCB-134/143	0.0073	E G	0.00063	0.00063	mg/Kg	1	☼	1668C	Total/NA
PCB-135/151	0.033	E G B	0.00057	0.00057	mg/Kg	1	☼	1668C	Total/NA
PCB-136	0.014	E G B	0.00042	0.00042	mg/Kg	1	☼	1668C	Total/NA
PCB-137	0.0080	E G	0.00051	0.00051	mg/Kg	1	☼	1668C	Total/NA
PCB-139/140	0.0024	G	0.00055	0.00055	mg/Kg	1	☼	1668C	Total/NA
PCB-141	0.014	E G B	0.00060	0.00060	mg/Kg	1	☼	1668C	Total/NA
PCB-144	0.0035	E G	0.00055	0.00055	mg/Kg	1	☼	1668C	Total/NA
PCB-146	0.014	E G	0.00052	0.00052	mg/Kg	1	☼	1668C	Total/NA
PCB-147/149	0.082	E G B	0.00055	0.00055	mg/Kg	1	☼	1668C	Total/NA
PCB-153/168	0.061	E G B	0.00047	0.00047	mg/Kg	1	☼	1668C	Total/NA
PCB-156/157	0.022	E G B	0.00024	0.00024	mg/Kg	1	☼	1668C	Total/NA
PCB-158	0.016	E G B	0.00042	0.00042	mg/Kg	1	☼	1668C	Total/NA
PCB-159	0.00040	G	0.00017	0.00017	mg/Kg	1	☼	1668C	Total/NA
PCB-162	0.00042	G	0.00016	0.00016	mg/Kg	1	☼	1668C	Total/NA
PCB-164	0.0083	E G	0.00050	0.00050	mg/Kg	1	☼	1668C	Total/NA
PCB-167	0.0065	E G	0.00017	0.00017	mg/Kg	1	☼	1668C	Total/NA
PCB-170	0.018	E B	0.000024	0.000014	mg/Kg	1	☼	1668C	Total/NA
PCB-171/173	0.0061	E	0.000049	0.000014	mg/Kg	1	☼	1668C	Total/NA
PCB-172	0.0027	E	0.000024	0.000014	mg/Kg	1	☼	1668C	Total/NA
PCB-174	0.018	E B	0.000024	0.000015	mg/Kg	1	☼	1668C	Total/NA
PCB-175	0.00064		0.000024	0.0000060	mg/Kg	1	☼	1668C	Total/NA
PCB-176	0.0017		0.000024	0.0000043	mg/Kg	1	☼	1668C	Total/NA
PCB-177	0.0095	E	0.000024	0.000014	mg/Kg	1	☼	1668C	Total/NA
PCB-178	0.0027	E	0.000024	0.0000063	mg/Kg	1	☼	1668C	Total/NA
PCB-179	0.0060	E	0.000024	0.0000046	mg/Kg	1	☼	1668C	Total/NA
PCB-180/193	0.033	E B	0.000049	0.000012	mg/Kg	1	☼	1668C	Total/NA
PCB-181	0.00028		0.000024	0.000013	mg/Kg	1	☼	1668C	Total/NA
PCB-183	0.0091	E B	0.000024	0.000011	mg/Kg	1	☼	1668C	Total/NA
PCB-185	0.0026	E	0.000024	0.000013	mg/Kg	1	☼	1668C	Total/NA
PCB-187	0.015	E B	0.000024	0.0000057	mg/Kg	1	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: SB-202-1 (0-2) (102417) (Continued) — Lab Sample ID: 680-144745-11

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-189	0.00071		0.0000024	0.0000024	mg/Kg	1	☼	1668C	Total/NA
PCB-190	0.0032	E B	0.000024	0.000010	mg/Kg	1	☼	1668C	Total/NA
PCB-191	0.00072		0.000024	0.000010	mg/Kg	1	☼	1668C	Total/NA
PCB-194	0.0053	E B	0.000024	0.0000054	mg/Kg	1	☼	1668C	Total/NA
PCB-195	0.0032	E	0.000024	0.0000057	mg/Kg	1	☼	1668C	Total/NA
PCB-196	0.0041	E	0.000024	0.0000094	mg/Kg	1	☼	1668C	Total/NA
PCB-197	0.00034		0.000024	0.0000066	mg/Kg	1	☼	1668C	Total/NA
PCB-198/199	0.0066	E	0.000049	0.000010	mg/Kg	1	☼	1668C	Total/NA
PCB-200	0.0012		0.000024	0.0000080	mg/Kg	1	☼	1668C	Total/NA
PCB-201	0.0012		0.000024	0.0000072	mg/Kg	1	☼	1668C	Total/NA
PCB-202	0.0014		0.000024	0.0000075	mg/Kg	1	☼	1668C	Total/NA
PCB-203	0.0055	E	0.000024	0.0000094	mg/Kg	1	☼	1668C	Total/NA
PCB-205	0.00034		0.000024	0.0000046	mg/Kg	1	☼	1668C	Total/NA
PCB-206	0.0029	E	0.000024	0.0000016	mg/Kg	1	☼	1668C	Total/NA
PCB-207	0.00034		0.000024	0.0000011	mg/Kg	1	☼	1668C	Total/NA
PCB-208	0.00074		0.000024	0.0000013	mg/Kg	1	☼	1668C	Total/NA
PCB-209	0.00040	B	0.000024	0.00000041	mg/Kg	1	☼	1668C	Total/NA
PCB-90/101/113 - DL	0.11	B	0.0015	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-110/115 - DL	0.15	E B G	0.0011	0.0011	mg/Kg	20	☼	1668C	Total/NA
PCB-129/138/163 - DL	0.15	E B	0.0015	0.00061	mg/Kg	20	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	1.5		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: DUP-1 (102417) — Lab Sample ID: 680-144745-12

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.000032		0.000024	0.00000066	mg/Kg	1	☼	1668C	Total/NA
PCB-2	0.0000041	J	0.000024	0.00000053	mg/Kg	1	☼	1668C	Total/NA
PCB-3	0.000013	J	0.000024	0.00000055	mg/Kg	1	☼	1668C	Total/NA
PCB-4	0.00021	q	0.000024	0.000017	mg/Kg	1	☼	1668C	Total/NA
PCB-5	0.000016	J q	0.000024	0.0000058	mg/Kg	1	☼	1668C	Total/NA
PCB-6	0.000071		0.000024	0.0000060	mg/Kg	1	☼	1668C	Total/NA
PCB-8	0.00031		0.000024	0.0000059	mg/Kg	1	☼	1668C	Total/NA
PCB-9	0.000017	J	0.000024	0.0000060	mg/Kg	1	☼	1668C	Total/NA
PCB-11	0.0000096	J	0.000024	0.0000058	mg/Kg	1	☼	1668C	Total/NA
PCB-12/13	0.000013	J	0.000047	0.0000058	mg/Kg	1	☼	1668C	Total/NA
PCB-15	0.00015		0.000024	0.0000056	mg/Kg	1	☼	1668C	Total/NA
PCB-16	0.00047		0.000024	0.0000022	mg/Kg	1	☼	1668C	Total/NA
PCB-17	0.00040		0.000024	0.0000017	mg/Kg	1	☼	1668C	Total/NA
PCB-18/30	0.0010	B	0.000047	0.0000015	mg/Kg	1	☼	1668C	Total/NA
PCB-19	0.00014		0.000024	0.0000015	mg/Kg	1	☼	1668C	Total/NA
PCB-20/28	0.0013	B	0.000047	0.000024	mg/Kg	1	☼	1668C	Total/NA
PCB-21/33	0.00064	B	0.000047	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-22	0.00042		0.000024	0.000024	mg/Kg	1	☼	1668C	Total/NA
PCB-24	0.000016	J	0.000024	0.0000013	mg/Kg	1	☼	1668C	Total/NA
PCB-25	0.000099		0.000024	0.000023	mg/Kg	1	☼	1668C	Total/NA
PCB-26/29	0.00021		0.000047	0.000023	mg/Kg	1	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-1 (102417) (Continued) — Lab Sample ID: 680-144745-12

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-27	0.000079		0.000024	0.0000013	mg/Kg	1	☼	1668C	Total/NA
PCB-31	0.0015	B	0.000024	0.000021	mg/Kg	1	☼	1668C	Total/NA
PCB-32	0.00035		0.000024	0.0000012	mg/Kg	1	☼	1668C	Total/NA
PCB-37	0.00034	G	0.000031	0.000031	mg/Kg	1	☼	1668C	Total/NA
PCB-40/71	0.0027	B	0.000047	0.000023	mg/Kg	1	☼	1668C	Total/NA
PCB-41	0.00018	G	0.000027	0.000027	mg/Kg	1	☼	1668C	Total/NA
PCB-42	0.0010	G B	0.000025	0.000025	mg/Kg	1	☼	1668C	Total/NA
PCB-44/47/65	0.015	E B	0.000071	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-45	0.00069	G	0.000027	0.000027	mg/Kg	1	☼	1668C	Total/NA
PCB-46	0.00021	G	0.000028	0.000028	mg/Kg	1	☼	1668C	Total/NA
PCB-48	0.00081	B	0.000024	0.000023	mg/Kg	1	☼	1668C	Total/NA
PCB-49/69	0.0076	E B	0.000047	0.000020	mg/Kg	1	☼	1668C	Total/NA
PCB-50/53	0.00095	B	0.000047	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-51	0.00011		0.000024	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-52	0.042	E B	0.000024	0.000024	mg/Kg	1	☼	1668C	Total/NA
PCB-54	0.0000085	J q	0.000024	0.00000049	mg/Kg	1	☼	1668C	Total/NA
PCB-56	0.0034	E G	0.00021	0.00021	mg/Kg	1	☼	1668C	Total/NA
PCB-58	0.0020	G	0.00020	0.00020	mg/Kg	1	☼	1668C	Total/NA
PCB-59/62/75	0.00038		0.000071	0.000017	mg/Kg	1	☼	1668C	Total/NA
PCB-60	0.0013	G	0.00020	0.00020	mg/Kg	1	☼	1668C	Total/NA
PCB-61/70/74/76	0.032	E G B	0.00020	0.00020	mg/Kg	1	☼	1668C	Total/NA
PCB-63	0.00027	G	0.00018	0.00018	mg/Kg	1	☼	1668C	Total/NA
PCB-64	0.0042	E B	0.000024	0.000016	mg/Kg	1	☼	1668C	Total/NA
PCB-66	0.0095	E G B	0.00021	0.00021	mg/Kg	1	☼	1668C	Total/NA
PCB-73	0.00015		0.000024	0.000018	mg/Kg	1	☼	1668C	Total/NA
PCB-77	0.00068	G	0.00019	0.00019	mg/Kg	1	☼	1668C	Total/NA
PCB-79	0.00083	G	0.00018	0.00018	mg/Kg	1	☼	1668C	Total/NA
PCB-80	0.00056	G	0.00018	0.00018	mg/Kg	1	☼	1668C	Total/NA
PCB-82	0.010	E G	0.0014	0.0014	mg/Kg	1	☼	1668C	Total/NA
PCB-84	0.026	E G B	0.0013	0.0013	mg/Kg	1	☼	1668C	Total/NA
PCB-85/116/117	0.017	E G	0.00096	0.00096	mg/Kg	1	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.072	E G B	0.0010	0.0010	mg/Kg	1	☼	1668C	Total/NA
PCB-88/91	0.011	E G	0.0011	0.0011	mg/Kg	1	☼	1668C	Total/NA
PCB-92	0.020	E G B	0.0012	0.0012	mg/Kg	1	☼	1668C	Total/NA
PCB-107/124	0.0043	G	0.00089	0.00089	mg/Kg	1	☼	1668C	Total/NA
PCB-95	0.063	E G B	0.0011	0.0011	mg/Kg	1	☼	1668C	Total/NA
PCB-96	0.00045		0.000024	0.0000014	mg/Kg	1	☼	1668C	Total/NA
PCB-98/102	0.0021	G	0.0011	0.0011	mg/Kg	1	☼	1668C	Total/NA
PCB-99	0.042	E G B	0.00094	0.00094	mg/Kg	1	☼	1668C	Total/NA
PCB-104	0.0000042	J	0.000024	0.0000015	mg/Kg	1	☼	1668C	Total/NA
PCB-105	0.036	E G B	0.00086	0.00086	mg/Kg	1	☼	1668C	Total/NA
PCB-109	0.0062	E G	0.00083	0.00083	mg/Kg	1	☼	1668C	Total/NA
PCB-114	0.0021	G	0.00093	0.00093	mg/Kg	1	☼	1668C	Total/NA
PCB-122	0.0014	G	0.00097	0.00097	mg/Kg	1	☼	1668C	Total/NA
PCB-123	0.0014	G	0.00090	0.00090	mg/Kg	1	☼	1668C	Total/NA
PCB-128/166	0.020	E G B	0.00021	0.00021	mg/Kg	1	☼	1668C	Total/NA
PCB-130	0.0086	E G	0.00028	0.00028	mg/Kg	1	☼	1668C	Total/NA
PCB-131	0.0019	G	0.00026	0.00026	mg/Kg	1	☼	1668C	Total/NA
PCB-132	0.038	E G B	0.00025	0.00025	mg/Kg	1	☼	1668C	Total/NA
PCB-133	0.0013	G	0.00025	0.00025	mg/Kg	1	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-1 (102417) (Continued) — Lab Sample ID: 680-144745-12

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-134/143	0.0065	E G	0.00026	0.00026	mg/Kg	1	☼	1668C	Total/NA
PCB-135/151	0.024	E G B	0.00024	0.00024	mg/Kg	1	☼	1668C	Total/NA
PCB-136	0.010	E G B	0.00017	0.00017	mg/Kg	1	☼	1668C	Total/NA
PCB-137	0.0069	E G	0.00021	0.00021	mg/Kg	1	☼	1668C	Total/NA
PCB-139/140	0.0023	G	0.00023	0.00023	mg/Kg	1	☼	1668C	Total/NA
PCB-141	0.011	E G B	0.00025	0.00025	mg/Kg	1	☼	1668C	Total/NA
PCB-144	0.0036	E G	0.00023	0.00023	mg/Kg	1	☼	1668C	Total/NA
PCB-146	0.011	E G	0.00022	0.00022	mg/Kg	1	☼	1668C	Total/NA
PCB-147/149	0.063	E G B	0.00023	0.00023	mg/Kg	1	☼	1668C	Total/NA
PCB-153/168	0.041	E G B	0.00019	0.00019	mg/Kg	1	☼	1668C	Total/NA
PCB-154	0.00050	G	0.00021	0.00021	mg/Kg	1	☼	1668C	Total/NA
PCB-156/157	0.019	E G B	0.00011	0.00011	mg/Kg	1	☼	1668C	Total/NA
PCB-158	0.014	E G B	0.00017	0.00017	mg/Kg	1	☼	1668C	Total/NA
PCB-159	0.00028	G	0.000076	0.000076	mg/Kg	1	☼	1668C	Total/NA
PCB-162	0.00042	G	0.000073	0.000073	mg/Kg	1	☼	1668C	Total/NA
PCB-164	0.0076	E G	0.00021	0.00021	mg/Kg	1	☼	1668C	Total/NA
PCB-167	0.0056	E G	0.000065	0.000065	mg/Kg	1	☼	1668C	Total/NA
PCB-170	0.012	E B	0.000024	0.000017	mg/Kg	1	☼	1668C	Total/NA
PCB-171/173	0.0040		0.000047	0.000017	mg/Kg	1	☼	1668C	Total/NA
PCB-172	0.0018		0.000024	0.000017	mg/Kg	1	☼	1668C	Total/NA
PCB-174	0.010	E B	0.000024	0.000018	mg/Kg	1	☼	1668C	Total/NA
PCB-175	0.00042		0.000024	0.0000043	mg/Kg	1	☼	1668C	Total/NA
PCB-176	0.00093		0.000024	0.0000031	mg/Kg	1	☼	1668C	Total/NA
PCB-177	0.0055	E	0.000024	0.000017	mg/Kg	1	☼	1668C	Total/NA
PCB-178	0.0014		0.000024	0.0000045	mg/Kg	1	☼	1668C	Total/NA
PCB-179	0.0029	E	0.000024	0.0000033	mg/Kg	1	☼	1668C	Total/NA
PCB-180/193	0.019	E B	0.000047	0.000014	mg/Kg	1	☼	1668C	Total/NA
PCB-181	0.00026		0.000024	0.000015	mg/Kg	1	☼	1668C	Total/NA
PCB-182	0.000057		0.000024	0.0000040	mg/Kg	1	☼	1668C	Total/NA
PCB-183	0.0050	E B	0.000024	0.000013	mg/Kg	1	☼	1668C	Total/NA
PCB-185	0.0011		0.000024	0.000016	mg/Kg	1	☼	1668C	Total/NA
PCB-187	0.0077	E B	0.000024	0.0000040	mg/Kg	1	☼	1668C	Total/NA
PCB-188	0.000010	J	0.000024	0.0000036	mg/Kg	1	☼	1668C	Total/NA
PCB-189	0.00048	q	0.0000024	0.0000016	mg/Kg	1	☼	1668C	Total/NA
PCB-190	0.0021	B	0.000024	0.000012	mg/Kg	1	☼	1668C	Total/NA
PCB-191	0.00048		0.000024	0.000012	mg/Kg	1	☼	1668C	Total/NA
PCB-194	0.0025	E B	0.000024	0.0000024	mg/Kg	1	☼	1668C	Total/NA
PCB-195	0.0013		0.000024	0.0000025	mg/Kg	1	☼	1668C	Total/NA
PCB-196	0.0016		0.000024	0.000013	mg/Kg	1	☼	1668C	Total/NA
PCB-197	0.00015		0.000024	0.0000091	mg/Kg	1	☼	1668C	Total/NA
PCB-198/199	0.0030		0.000047	0.000014	mg/Kg	1	☼	1668C	Total/NA
PCB-200	0.00059	q	0.000024	0.000011	mg/Kg	1	☼	1668C	Total/NA
PCB-201	0.00043	q	0.000024	0.000010	mg/Kg	1	☼	1668C	Total/NA
PCB-202	0.00063		0.000024	0.000010	mg/Kg	1	☼	1668C	Total/NA
PCB-203	0.0025	E	0.000024	0.000013	mg/Kg	1	☼	1668C	Total/NA
PCB-205	0.00016		0.000024	0.0000021	mg/Kg	1	☼	1668C	Total/NA
PCB-206	0.0022		0.000024	0.0000017	mg/Kg	1	☼	1668C	Total/NA
PCB-207	0.00023		0.000024	0.0000012	mg/Kg	1	☼	1668C	Total/NA
PCB-208	0.00061		0.000024	0.0000012	mg/Kg	1	☼	1668C	Total/NA
PCB-209	0.00043	B	0.000024	0.0000004	mg/Kg	1	☼	1668C	Total/NA

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This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-1 (102417) (Continued) — Lab Sample ID: 680-144745-12

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-90/101/113 - DL	0.052	B	0.0014	0.00062	mg/Kg	20	☼	1668C	Total/NA
PCB-110/115 - DL	0.068	B	0.00095	0.00054	mg/Kg	20	☼	1668C	Total/NA
PCB-118 - DL	0.049	E B G	0.00053	0.00053	mg/Kg	20	☼	1668C	Total/NA
PCB-129/138/163 - DL	0.063	B	0.0014	0.00025	mg/Kg	20	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	1.1		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: SB-202-2 (0-2) (102417) — Lab Sample ID: 680-144745-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.000074	J	0.0012	0.0000097	mg/Kg	50	☼	1668C	Total/NA
PCB-2	0.0000082	J q	0.0012	0.0000077	mg/Kg	50	☼	1668C	Total/NA
PCB-3	0.000026	J	0.0012	0.0000080	mg/Kg	50	☼	1668C	Total/NA
PCB-4	0.00049	J	0.0012	0.000046	mg/Kg	50	☼	1668C	Total/NA
PCB-6	0.00019	J	0.0012	0.000044	mg/Kg	50	☼	1668C	Total/NA
PCB-8	0.00090	J	0.0012	0.000043	mg/Kg	50	☼	1668C	Total/NA
PCB-9	0.000054	J q	0.0012	0.000044	mg/Kg	50	☼	1668C	Total/NA
PCB-12/13	0.000091	J	0.0023	0.000042	mg/Kg	50	☼	1668C	Total/NA
PCB-15	0.00076	J	0.0012	0.000042	mg/Kg	50	☼	1668C	Total/NA
PCB-19	0.00053	J	0.0012	0.000016	mg/Kg	50	☼	1668C	Total/NA
PCB-54	0.000040	J	0.0012	0.0000063	mg/Kg	50	☼	1668C	Total/NA
PCB-82	0.027	G	0.0027	0.0027	mg/Kg	50	☼	1668C	Total/NA
PCB-84	0.059	B G	0.0025	0.0025	mg/Kg	50	☼	1668C	Total/NA
PCB-85/116/117	0.030		0.0035	0.0019	mg/Kg	50	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.16	B	0.0070	0.0020	mg/Kg	50	☼	1668C	Total/NA
PCB-88/91	0.025		0.0023	0.0022	mg/Kg	50	☼	1668C	Total/NA
PCB-90/101/113	0.22	B	0.0035	0.0020	mg/Kg	50	☼	1668C	Total/NA
PCB-92	0.014	B G	0.0023	0.0023	mg/Kg	50	☼	1668C	Total/NA
PCB-93/100	0.073		0.0023	0.0022	mg/Kg	50	☼	1668C	Total/NA
PCB-107/124	0.0088		0.0023	0.0018	mg/Kg	50	☼	1668C	Total/NA
PCB-96	0.0010	J	0.0012	0.000021	mg/Kg	50	☼	1668C	Total/NA
PCB-98/102	0.0042		0.0023	0.0021	mg/Kg	50	☼	1668C	Total/NA
PCB-99	0.086	B G	0.0018	0.0018	mg/Kg	50	☼	1668C	Total/NA
PCB-105	0.094	B G	0.0018	0.0018	mg/Kg	50	☼	1668C	Total/NA
PCB-110/115	0.32	B	0.0023	0.0017	mg/Kg	50	☼	1668C	Total/NA
PCB-109	0.014	G	0.0016	0.0016	mg/Kg	50	☼	1668C	Total/NA
PCB-114	0.0062	G	0.0019	0.0019	mg/Kg	50	☼	1668C	Total/NA
PCB-118	0.21	E B G	0.0017	0.0017	mg/Kg	50	☼	1668C	Total/NA
PCB-123	0.0029	G	0.0018	0.0018	mg/Kg	50	☼	1668C	Total/NA
PCB-128/166	0.049	B	0.0023	0.0017	mg/Kg	50	☼	1668C	Total/NA
PCB-129/138/163	0.27	B	0.0035	0.0018	mg/Kg	50	☼	1668C	Total/NA
PCB-130	0.019	G	0.0022	0.0022	mg/Kg	50	☼	1668C	Total/NA
PCB-131	0.0039	G	0.0020	0.0020	mg/Kg	50	☼	1668C	Total/NA
PCB-132	0.087	B G	0.0020	0.0020	mg/Kg	50	☼	1668C	Total/NA
PCB-133	0.0027	G	0.0020	0.0020	mg/Kg	50	☼	1668C	Total/NA
PCB-134/143	0.013		0.0023	0.0021	mg/Kg	50	☼	1668C	Total/NA
PCB-135/151	0.016	B	0.0023	0.0019	mg/Kg	50	☼	1668C	Total/NA
PCB-136	0.023	B G	0.0014	0.0014	mg/Kg	50	☼	1668C	Total/NA
PCB-137	0.015	G	0.0017	0.0017	mg/Kg	50	☼	1668C	Total/NA
PCB-139/140	0.0045		0.0023	0.0018	mg/Kg	50	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-202-2 (0-2) (102417) (Continued) — Lab Sample ID: 680-144745-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-141	0.036	B G	0.0020	0.0020	mg/Kg	50	☼	1668C	Total/NA
PCB-146	0.025	G	0.0017	0.0017	mg/Kg	50	☼	1668C	Total/NA
PCB-147/149	0.14	B	0.0023	0.0018	mg/Kg	50	☼	1668C	Total/NA
PCB-153/168	0.11	B	0.0023	0.0015	mg/Kg	50	☼	1668C	Total/NA
PCB-154	0.032	G	0.0016	0.0016	mg/Kg	50	☼	1668C	Total/NA
PCB-156/157	0.041	B G	0.00026	0.00026	mg/Kg	50	☼	1668C	Total/NA
PCB-158	0.030	B G	0.0014	0.0014	mg/Kg	50	☼	1668C	Total/NA
PCB-159	0.00052	J	0.0012	0.00018	mg/Kg	50	☼	1668C	Total/NA
PCB-162	0.00085	J	0.0012	0.00017	mg/Kg	50	☼	1668C	Total/NA
PCB-164	0.018	G	0.0016	0.0016	mg/Kg	50	☼	1668C	Total/NA
PCB-167	0.011	G	0.00015	0.00015	mg/Kg	50	☼	1668C	Total/NA
PCB-170	0.027	B	0.0012	0.000029	mg/Kg	50	☼	1668C	Total/NA
PCB-171/173	0.0090		0.0023	0.000029	mg/Kg	50	☼	1668C	Total/NA
PCB-172	0.0039		0.0012	0.000028	mg/Kg	50	☼	1668C	Total/NA
PCB-174	0.024	B	0.0012	0.000031	mg/Kg	50	☼	1668C	Total/NA
PCB-175	0.0010	J	0.0012	0.000021	mg/Kg	50	☼	1668C	Total/NA
PCB-176	0.0022		0.0012	0.000015	mg/Kg	50	☼	1668C	Total/NA
PCB-177	0.012		0.0012	0.000029	mg/Kg	50	☼	1668C	Total/NA
PCB-178	0.0034		0.0012	0.000022	mg/Kg	50	☼	1668C	Total/NA
PCB-179	0.0071		0.0012	0.000016	mg/Kg	50	☼	1668C	Total/NA
PCB-180/193	0.044	B	0.0023	0.000023	mg/Kg	50	☼	1668C	Total/NA
PCB-181	0.00056	J	0.0012	0.000026	mg/Kg	50	☼	1668C	Total/NA
PCB-182	0.00015	J	0.0012	0.000019	mg/Kg	50	☼	1668C	Total/NA
PCB-183	0.011	B	0.0012	0.000022	mg/Kg	50	☼	1668C	Total/NA
PCB-185	0.0022		0.0012	0.000027	mg/Kg	50	☼	1668C	Total/NA
PCB-187	0.020	B	0.0012	0.000019	mg/Kg	50	☼	1668C	Total/NA
PCB-189	0.0011		0.00012	0.000012	mg/Kg	50	☼	1668C	Total/NA
PCB-190	0.0046	B	0.0012	0.000021	mg/Kg	50	☼	1668C	Total/NA
PCB-191	0.0010	J	0.0012	0.000021	mg/Kg	50	☼	1668C	Total/NA
PCB-194	0.0054	B	0.0012	0.000019	mg/Kg	50	☼	1668C	Total/NA
PCB-195	0.0024		0.0012	0.000020	mg/Kg	50	☼	1668C	Total/NA
PCB-196	0.0036		0.0012	0.000023	mg/Kg	50	☼	1668C	Total/NA
PCB-197	0.00028	J	0.0012	0.000016	mg/Kg	50	☼	1668C	Total/NA
PCB-198/199	0.0074		0.0023	0.000024	mg/Kg	50	☼	1668C	Total/NA
PCB-200	0.00094	J	0.0012	0.000019	mg/Kg	50	☼	1668C	Total/NA
PCB-201	0.00095	J	0.0012	0.000017	mg/Kg	50	☼	1668C	Total/NA
PCB-202	0.0011	J	0.0012	0.000018	mg/Kg	50	☼	1668C	Total/NA
PCB-203	0.0048		0.0012	0.000023	mg/Kg	50	☼	1668C	Total/NA
PCB-205	0.00033	J	0.0012	0.000017	mg/Kg	50	☼	1668C	Total/NA
PCB-206	0.0032		0.0012	0.000028	mg/Kg	50	☼	1668C	Total/NA
PCB-207	0.00033	J	0.0012	0.000021	mg/Kg	50	☼	1668C	Total/NA
PCB-208	0.00087	J	0.0012	0.000024	mg/Kg	50	☼	1668C	Total/NA
PCB-209	0.00055	J B	0.0012	0.0000080	mg/Kg	50	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	NaN		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: EB-1 (102517) — Lab Sample ID: 680-144745-34

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	9.0	J	190	0.69	pg/L	1		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: EB-1 (102517) (Continued) — Lab Sample ID: 680-144745-34

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-3	6.1	J	190	0.58	pg/L	1		1668C	Total/NA
PCB-11	13	J B	190	4.3	pg/L	1		1668C	Total/NA
PCB-16	1.9	J	190	1.2	pg/L	1		1668C	Total/NA
PCB-17	2.3	J B	190	0.87	pg/L	1		1668C	Total/NA
PCB-18/30	4.0	J B	380	0.77	pg/L	1		1668C	Total/NA
PCB-19	5.0	J	190	1.1	pg/L	1		1668C	Total/NA
PCB-20/28	3.8	J B	380	0.85	pg/L	1		1668C	Total/NA
PCB-21/33	2.8	J B	380	0.81	pg/L	1		1668C	Total/NA
PCB-31	3.3	J B	190	0.78	pg/L	1		1668C	Total/NA
PCB-32	1.2	J	190	0.64	pg/L	1		1668C	Total/NA
PCB-37	2.2	J	190	0.89	pg/L	1		1668C	Total/NA
PCB-40/71	1.4	J B	380	0.46	pg/L	1		1668C	Total/NA
PCB-42	0.90	J	190	0.50	pg/L	1		1668C	Total/NA
PCB-44/47/65	5.2	J B	570	0.44	pg/L	1		1668C	Total/NA
PCB-49/69	1.6	J B	380	0.39	pg/L	1		1668C	Total/NA
PCB-52	3.1	J B	190	0.47	pg/L	1		1668C	Total/NA
PCB-54	3.2	J	190	0.50	pg/L	1		1668C	Total/NA
PCB-61/70/74/76	2.4	J B	770	0.56	pg/L	1		1668C	Total/NA
PCB-64	1.3	J B	190	0.32	pg/L	1		1668C	Total/NA
PCB-66	1.3	J	190	0.59	pg/L	1		1668C	Total/NA
PCB-81	1.6	J	19	0.62	pg/L	1		1668C	Total/NA
PCB-90/101/113	3.1	J B	570	0.63	pg/L	1		1668C	Total/NA
PCB-95	2.1	J	190	0.68	pg/L	1		1668C	Total/NA
PCB-99	1.4	J	190	0.58	pg/L	1		1668C	Total/NA
PCB-104	2.5	J	190	0.49	pg/L	1		1668C	Total/NA
PCB-105	2.1	J	19	0.60	pg/L	1		1668C	Total/NA
PCB-110/115	3.2	J q B	380	0.55	pg/L	1		1668C	Total/NA
PCB-118	3.6	J B	19	0.56	pg/L	1		1668C	Total/NA
PCB-129/138/163	5.9	J B	570	0.95	pg/L	1		1668C	Total/NA
PCB-146	2.1	J	190	0.92	pg/L	1		1668C	Total/NA
PCB-147/149	3.4	J B	380	0.98	pg/L	1		1668C	Total/NA
PCB-153/168	8.3	J B	380	0.82	pg/L	1		1668C	Total/NA
PCB-155	1.3	J	190	0.64	pg/L	1		1668C	Total/NA
PCB-169	0.72	J	19	0.55	pg/L	1		1668C	Total/NA
PCB-170	1.3	J B	190	0.46	pg/L	1		1668C	Total/NA
PCB-171/173	0.96	J B	380	0.47	pg/L	1		1668C	Total/NA
PCB-177	0.67	J	190	0.46	pg/L	1		1668C	Total/NA
PCB-180/193	4.5	J B	380	0.38	pg/L	1		1668C	Total/NA
PCB-183	2.2	J B	190	0.36	pg/L	1		1668C	Total/NA
PCB-187	3.4	J B	190	0.85	pg/L	1		1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	130	J	200	20	pg/L	1		None	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: SB-202-1 (0-2) (102417)

Date Collected: 10/24/17 14:25
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-11

Matrix: Solid
Percent Solids: 82.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0000093	J	0.000024	0.00000050	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-2	0.0000030	J	0.000024	0.00000038	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-3	0.0000047	J	0.000024	0.00000039	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-4	0.000086		0.000024	0.000010	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-5	0.0000031	U	0.000024	0.0000031	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-6	0.000034		0.000024	0.0000032	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-7	0.0000031	U	0.000024	0.0000031	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-8	0.00013		0.000024	0.0000031	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-9	0.0000080	J	0.000024	0.0000032	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-10	0.0000069	U	0.000024	0.0000069	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-11	0.000012	J	0.000024	0.0000031	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-12/13	0.000012	J q	0.000049	0.0000031	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-14	0.0000027	U	0.000024	0.0000027	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-15	0.00013		0.000024	0.0000031	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-16	0.00073		0.000024	0.0000057	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-17	0.00064		0.000024	0.0000043	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-18/30	0.0019	B	0.000049	0.0000037	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-19	0.00018		0.000024	0.0000032	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-20/28	0.0023	B	0.000049	0.000044	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-21/33	0.0011	B	0.000049	0.000042	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-22	0.00067	G	0.000046	0.000046	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-23	0.000043	U G	0.000043	0.000043	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-24	0.0000034	U	0.000024	0.0000034	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-25	0.00016	G	0.000043	0.000043	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-26/29	0.00035		0.000049	0.000043	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-27	0.00014		0.000024	0.0000032	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-31	0.0024	G B	0.000040	0.000040	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-32	0.00055		0.000024	0.0000031	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-34	0.000044	U G	0.000044	0.000044	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-35	0.000045	U G	0.000045	0.000045	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-36	0.00020	G	0.000041	0.000041	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-37	0.00051	G	0.000078	0.000078	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-38	0.000046	U G	0.000046	0.000046	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-39	0.000040	U G	0.000040	0.000040	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-40/71	0.0042	B	0.000049	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-41	0.000025	U G	0.000025	0.000025	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-42	0.0014	B	0.000024	0.000023	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-43	0.000025	U G	0.000025	0.000025	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-44/47/65	0.017	E B	0.000073	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-45	0.0014		0.000024	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-46	0.00044	G	0.000025	0.000025	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-48	0.0015	B	0.000024	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-49/69	0.0084	E B	0.000049	0.000018	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-50/53	0.0014	B	0.000049	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-51	0.00029		0.000024	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-52	0.040	E B	0.000024	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1

Client Sample ID: SB-202-1 (0-2) (102417)

Date Collected: 10/24/17 14:25
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-11

Matrix: Solid
Percent Solids: 82.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-54	**0.000017**	**J**	0.000024	0.00000023	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-55	0.00026	U G	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-56	**0.0042**	**E G**	0.00027	0.00027	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-57	0.00026	U G	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-58	**0.0014**	**G**	0.00025	0.00025	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-59/62/75	**0.00064**		0.000073	0.000016	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-60	**0.0018**	**G**	0.00025	0.00025	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-61/70/74/76	**0.030**	**E G B**	0.00025	0.00025	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-63	0.00023	U G	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-64	**0.0042**	**E B**	0.000024	0.000015	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-66	**0.011**	**E G B**	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-67	0.00024	U G	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-68	0.00022	U G	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-72	0.00024	U G	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-73	0.000016	U	0.000024	0.000016	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-77	**0.0011**	**G**	0.00027	0.00027	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-78	0.00026	U G	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-79	**0.00081**	**G**	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-80	**0.00047**	**G**	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-81	0.00028	U G	0.00028	0.00028	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-82	**0.0097**	**E G**	0.0017	0.0017	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-83	0.0019	U G	0.0019	0.0019	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-84	**0.029**	**E G B**	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-85/116/117	**0.018**	**E q G**	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-86/87/97/108/119/125	**0.073**	**E G B**	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-88/91	**0.012**	**E G**	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-89	0.0015	U G	0.0015	0.0015	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-92	**0.020**	**E G B**	0.0015	0.0015	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-93/100	0.0014	U G	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-107/124	**0.0037**	**G**	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-94	0.0014	U G	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-95	**0.051**	**E G B**	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-96	**0.00058**		0.000024	0.0000010	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-98/102	**0.0022**	**G**	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-99	**0.045**	**E G B**	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-103	0.0013	U G	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-104	**0.0000041**	**J**	0.000024	0.00000083	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-105	**0.039**	**E G B**	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-106	0.0011	U G	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-109	**0.0059**	**E G**	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-111	0.0011	U G	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-112	0.0011	U G	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-114	**0.0022**	**G**	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-118	**0.092**	**E G B**	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-120	0.0010	U G	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-121	0.0010	U G	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-122	**0.0014**	**G**	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-123	0.0011	U G	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1

Client Sample ID: SB-202-1 (0-2) (102417)

Date Collected: 10/24/17 14:25
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-11

Matrix: Solid
Percent Solids: 82.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	0.0019	U G	0.0019	0.0019	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-127	0.0011	U G	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-128/166	**0.022**	**E G B**	0.00051	0.00051	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-130	**0.010**	**E G**	0.00068	0.00068	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-131	**0.0020**	**G**	0.00062	0.00062	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-132	**0.045**	**E G B**	0.00062	0.00062	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-133	**0.0012**	**G**	0.00061	0.00061	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-134/143	**0.0073**	**E G**	0.00063	0.00063	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-135/151	**0.033**	**E G B**	0.00057	0.00057	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-136	**0.014**	**E G B**	0.00042	0.00042	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-137	**0.0080**	**E G**	0.00051	0.00051	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-139/140	**0.0024**	**G**	0.00055	0.00055	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-141	**0.014**	**E G B**	0.00060	0.00060	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-142	0.00065	U G	0.00065	0.00065	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-144	**0.0035**	**E G**	0.00055	0.00055	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-145	0.00041	U G	0.00041	0.00041	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-146	**0.014**	**E G**	0.00052	0.00052	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-147/149	**0.082**	**E G B**	0.00055	0.00055	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-148	0.00055	U G	0.00055	0.00055	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-150	0.00039	U G	0.00039	0.00039	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-152	0.00040	U G	0.00040	0.00040	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-153/168	**0.061**	**E G B**	0.00047	0.00047	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-154	0.00050	U G	0.00050	0.00050	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-155	0.00032	U G	0.00032	0.00032	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-156/157	**0.022**	**E G B**	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-158	**0.016**	**E G B**	0.00042	0.00042	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-159	**0.00040**	**G**	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-160	0.00052	U G	0.00052	0.00052	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-161	0.00048	U G	0.00048	0.00048	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-162	**0.00042**	**G**	0.00016	0.00016	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-164	**0.0083**	**E G**	0.00050	0.00050	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-165	0.00049	U G	0.00049	0.00049	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-167	**0.0065**	**E G**	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-169	0.00017	U G	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-170	**0.018**	**E B**	0.000024	0.000014	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-171/173	**0.0061**	**E**	0.000049	0.000014	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-172	**0.0027**	**E**	0.000024	0.000014	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-174	**0.018**	**E B**	0.000024	0.000015	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-175	**0.00064**		0.000024	0.0000060	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-176	**0.0017**		0.000024	0.0000043	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-177	**0.0095**	**E**	0.000024	0.000014	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-178	**0.0027**	**E**	0.000024	0.0000063	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-179	**0.0060**	**E**	0.000024	0.0000046	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-180/193	**0.033**	**E B**	0.000049	0.000012	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-181	**0.00028**		0.000024	0.000013	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-182	0.0000056	U	0.000024	0.0000056	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-183	**0.0091**	**E B**	0.000024	0.000011	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-184	0.0000048	U	0.000024	0.0000048	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-185	**0.0026**	**E**	0.000024	0.000013	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1

Client Sample ID: SB-202-1 (0-2) (102417)

Date Collected: 10/24/17 14:25
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-11

Matrix: Solid
Percent Solids: 82.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-186	0.0000046	U	0.000024	0.0000046	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-187	**0.015**	**E B**	0.000024	0.0000057	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-188	0.0000054	U	0.000024	0.0000054	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-189	**0.00071**		0.0000024	0.0000024	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-190	**0.0032**	**E B**	0.000024	0.000010	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-191	**0.00072**		0.000024	0.000010	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-192	0.000011	U	0.000024	0.000011	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-194	**0.0053**	**E B**	0.000024	0.0000054	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-195	**0.0032**	**E**	0.000024	0.0000057	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-196	**0.0041**	**E**	0.000024	0.0000094	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-197	**0.00034**		0.000024	0.0000066	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-198/199	**0.0066**	**E**	0.000049	0.000010	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-200	**0.0012**		0.000024	0.0000080	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-201	**0.0012**		0.000024	0.0000072	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-202	**0.0014**		0.000024	0.0000075	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-203	**0.0055**	**E**	0.000024	0.0000094	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-204	0.0000075	U	0.000024	0.0000075	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-205	**0.00034**		0.000024	0.0000046	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-206	**0.0029**	**E**	0.000024	0.0000016	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-207	**0.00034**		0.000024	0.0000011	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-208	**0.00074**		0.000024	0.0000013	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1
PCB-209	**0.00040**	**B**	0.000024	0.0000004	mg/Kg	☼	11/02/17 12:52	11/21/17 21:23	1

1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*42*		*5 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-3L	*48*		*5 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-4L	*45*		*5 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-15L	*48*		*5 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-19L	*48*		*5 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-37L	*41*		*5 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-54L	*41*		*5 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-77L	*60*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-81L	*61*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-104L	*62*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-105L	*64*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-114L	*58*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-118L	*62*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-123L	*62*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-126L	*47*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-155L	*72*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-156L/157L	*70*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-167L	*72*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-169L	*70*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-188L	*93*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-189L	*108*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-202L	*89*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-205L	*60*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-206L	*74*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*
PCB-208L	*93*		*10 - 145*	*11/02/17 12:52*	*11/21/17 21:23*	*1*

Client Sample ID: SB-202-1 (0-2) (102417)

Date Collected: 10/24/17 14:25
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-11

Matrix: Solid
Percent Solids: 82.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-209L	82		10 - 145	11/02/17 12:52	11/21/17 21:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	74		5 - 145	11/02/17 12:52	11/21/17 21:23	1
PCB-111L	82		10 - 145	11/02/17 12:52	11/21/17 21:23	1
PCB-178L	95		10 - 145	11/02/17 12:52	11/21/17 21:23	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-90/101/113	0.11	B	0.0015	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 05:07	20
PCB-110/115	0.15	E B G	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/29/17 05:07	20
PCB-129/138/163	0.15	E B	0.0015	0.00061	mg/Kg	☼	11/02/17 12:52	11/29/17 05:07	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	45		5 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-3L	46		5 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-4L	45		5 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-15L	51		5 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-19L	53		5 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-37L	52		5 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-54L	40		5 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-77L	65		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-81L	66		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-104L	53		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-105L	68		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-114L	65		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-118L	70		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-123L	65		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-126L	68		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-155L	54		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-156L/157L	67		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-167L	65		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-169L	70		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-188L	67		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-189L	68		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-202L	67		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-205L	66		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-206L	64		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-208L	69		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-209L	67		10 - 145	11/02/17 12:52	11/29/17 05:07	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	60		5 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-111L	85		10 - 145	11/02/17 12:52	11/29/17 05:07	20
PCB-178L	98		10 - 145	11/02/17 12:52	11/29/17 05:07	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000014	U G	0.0000014	0.0000014	mg/Kg	☼	11/02/17 12:58	11/15/17 21:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	55		40 - 135	11/02/17 12:58	11/15/17 21:23	1

Client Sample ID: SB-202-1 (0-2) (102417)

Lab Sample ID: 680-144745-11

Date Collected: 10/24/17 14:25
Date Received: 10/25/17 17:30

Matrix: Solid
Percent Solids: 82.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDF	53		40 - 135	11/02/17 12:58	11/15/17 21:23	1
13C-1,2,3,4,7,8-HxCDF	55		40 - 135	11/02/17 12:58	11/15/17 21:23	1
13C-1,2,3,6,7,8-HxCDD	54		40 - 135	11/02/17 12:58	11/15/17 21:23	1
13C-1,2,3,7,8-PeCDD	54		40 - 135	11/02/17 12:58	11/15/17 21:23	1
13C-1,2,3,7,8-PeCDF	54		40 - 135	11/02/17 12:58	11/15/17 21:23	1
13C-2,3,7,8-TCDD	36	*	40 - 135	11/02/17 12:58	11/15/17 21:23	1
13C-2,3,7,8-TCDF	51		40 - 135	11/02/17 12:58	11/15/17 21:23	1
13C-OCDD	63		40 - 135	11/02/17 12:58	11/15/17 21:23	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	57		40 - 135	11/02/17 12:58	11/17/17 00:32	1

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	1.5		0.0000020	0.0000050	mg/Kg			12/05/17 15:07	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: DUP-1 (102417)

Date Collected: 10/24/17 00:00
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-12

Matrix: Solid
Percent Solids: 84.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000032		0.000024	0.00000066	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-2	0.0000041	J	0.000024	0.00000053	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-3	0.000013	J	0.000024	0.00000055	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-4	0.00021	q	0.000024	0.000017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-5	0.000016	J q	0.000024	0.0000058	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-6	0.000071		0.000024	0.0000060	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-7	0.0000058	U	0.000024	0.0000058	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-8	0.00031		0.000024	0.0000059	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-9	0.000017	J	0.000024	0.0000060	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-10	0.000012	U	0.000024	0.000012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-11	0.0000096	J	0.000024	0.0000058	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-12/13	0.000013	J	0.000047	0.0000058	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-14	0.0000051	U	0.000024	0.0000051	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-15	0.00015		0.000024	0.0000056	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-16	0.00047		0.000024	0.0000022	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-17	0.00040		0.000024	0.0000017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-18/30	0.0010	B	0.000047	0.0000015	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-19	0.00014		0.000024	0.0000015	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-20/28	0.0013	B	0.000047	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-21/33	0.00064	B	0.000047	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-22	0.00042		0.000024	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-23	0.000023	U	0.000024	0.000023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-24	0.000016	J	0.000024	0.0000013	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-25	0.000099		0.000024	0.000023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-26/29	0.00021		0.000047	0.000023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-27	0.000079		0.000024	0.0000013	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-31	0.0015	B	0.000024	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-32	0.00035		0.000024	0.0000012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-34	0.000023	U	0.000024	0.000023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-35	0.000024	U	0.000024	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-36	0.000022	U	0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-37	0.00034	G	0.000031	0.000031	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-38	0.000024	U	0.000024	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-39	0.000021	U	0.000024	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-40/71	0.0027	B	0.000047	0.000023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-41	0.00018	G	0.000027	0.000027	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-42	0.0010	G B	0.000025	0.000025	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-43	0.000028	U G	0.000028	0.000028	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-44/47/65	0.015	E B	0.000071	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-45	0.00069	G	0.000027	0.000027	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-46	0.00021	G	0.000028	0.000028	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-48	0.00081	B	0.000024	0.000023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-49/69	0.0076	E B	0.000047	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-50/53	0.00095	B	0.000047	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-51	0.00011		0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-52	0.042	E B	0.000024	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1

Client Sample ID: DUP-1 (102417)

Date Collected: 10/24/17 00:00
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-12

Matrix: Solid
Percent Solids: 84.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-54	**0.0000085**	**J q**	0.000024	0.00000049	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-55	0.00020	U G	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-56	**0.0034**	**E G**	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-57	0.00020	U G	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-58	**0.0020**	**G**	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-59/62/75	**0.00038**		0.000071	0.000017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-60	**0.0013**	**G**	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-61/70/74/76	**0.032**	**E G B**	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-63	**0.00027**	**G**	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-64	**0.0042**	**E B**	0.000024	0.000016	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-66	**0.0095**	**E G B**	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-67	0.00019	U G	0.00019	0.00019	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-68	0.00018	U G	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-72	0.00019	U G	0.00019	0.00019	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-73	**0.00015**		0.000024	0.000018	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-77	**0.00068**	**G**	0.00019	0.00019	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-78	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-79	**0.00083**	**G**	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-80	**0.00056**	**G**	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-81	0.00020	U G	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-82	**0.010**	**E G**	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-83	0.0015	U G	0.0015	0.0015	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-84	**0.026**	**E G B**	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-85/116/117	**0.017**	**E G**	0.00096	0.00096	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-86/87/97/108/119/125	**0.072**	**E G B**	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-88/91	**0.011**	**E G**	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-89	0.0012	U G	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-92	**0.020**	**E G B**	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-93/100	0.0011	U G	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-107/124	**0.0043**	**G**	0.00089	0.00089	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-94	0.0012	U G	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-95	**0.063**	**E G B**	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-96	**0.00045**		0.000024	0.0000014	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-98/102	**0.0021**	**G**	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-99	**0.042**	**E G B**	0.00094	0.00094	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-103	0.0010	U G	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-104	**0.0000042**	**J**	0.000024	0.0000015	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-105	**0.036**	**E G B**	0.00086	0.00086	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-106	0.00091	U G	0.00091	0.00091	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-109	**0.0062**	**E G**	0.00083	0.00083	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-111	0.00086	U G	0.00086	0.00086	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-112	0.00089	U G	0.00089	0.00089	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-114	**0.0021**	**G**	0.00093	0.00093	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-120	0.00082	U G	0.00082	0.00082	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-121	0.00082	U G	0.00082	0.00082	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-122	**0.0014**	**G**	0.00097	0.00097	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-123	**0.0014**	**G**	0.00090	0.00090	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-126	0.0012	U G	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-127	0.00091	U G	0.00091	0.00091	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1

Client Sample ID: DUP-1 (102417)

Date Collected: 10/24/17 00:00
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-12

Matrix: Solid
Percent Solids: 84.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	0.020	E G B	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-130	0.0086	E G	0.00028	0.00028	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-131	0.0019	G	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-132	0.038	E G B	0.00025	0.00025	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-133	0.0013	G	0.00025	0.00025	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-134/143	0.0065	E G	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-135/151	0.024	E G B	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-136	0.010	E G B	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-137	0.0069	E G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-139/140	0.0023	G	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-141	0.011	E G B	0.00025	0.00025	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-142	0.00027	U G	0.00027	0.00027	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-144	0.0036	E G	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-145	0.00017	U G	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-146	0.011	E G	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-147/149	0.063	E G B	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-148	0.00023	U G	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-150	0.00016	U G	0.00016	0.00016	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-152	0.00017	U G	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-153/168	0.041	E G B	0.00019	0.00019	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-154	0.00050	G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-155	0.00017	U G	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-156/157	0.019	E G B	0.00011	0.00011	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-158	0.014	E G B	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-159	0.00028	G	0.000076	0.000076	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-160	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-161	0.00020	U G	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-162	0.00042	G	0.000073	0.000073	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-164	0.0076	E G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-165	0.00020	U G	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-167	0.0056	E G	0.000065	0.000065	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-169	0.000072	U G	0.000072	0.000072	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-170	0.012	E B	0.000024	0.000017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-171/173	0.0040		0.000047	0.000017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-172	0.0018		0.000024	0.000017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-174	0.010	E B	0.000024	0.000018	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-175	0.00042		0.000024	0.0000043	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-176	0.00093		0.000024	0.0000031	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-177	0.0055	E	0.000024	0.000017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-178	0.0014		0.000024	0.0000045	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-179	0.0029	E	0.000024	0.0000033	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-180/193	0.019	E B	0.000047	0.000014	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-181	0.00026		0.000024	0.000015	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-182	0.000057		0.000024	0.0000040	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-183	0.0050	E B	0.000024	0.000013	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-184	0.0000034	U	0.000024	0.0000034	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-185	0.0011		0.000024	0.000016	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-186	0.0000032	U	0.000024	0.0000032	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-187	0.0077	E B	0.000024	0.0000040	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1

Client Sample ID: DUP-1 (102417)

Date Collected: 10/24/17 00:00
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-12

Matrix: Solid
Percent Solids: 84.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-188	0.000010	J	0.000024	0.0000036	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-189	0.00048	q	0.0000024	0.0000016	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-190	0.0021	B	0.000024	0.000012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-191	0.00048		0.000024	0.000012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-192	0.000013	U	0.000024	0.000013	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-194	0.0025	E B	0.000024	0.0000024	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-195	0.0013		0.000024	0.0000025	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-196	0.0016		0.000024	0.000013	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-197	0.00015		0.000024	0.0000091	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-198/199	0.0030		0.000047	0.000014	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-200	0.00059	q	0.000024	0.000011	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-201	0.00043	q	0.000024	0.000010	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-202	0.00063		0.000024	0.000010	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-203	0.0025	E	0.000024	0.000013	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-204	0.000010	U	0.000024	0.000010	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-205	0.00016		0.000024	0.0000021	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-206	0.0022		0.000024	0.0000017	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-207	0.00023		0.000024	0.0000012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-208	0.00061		0.000024	0.0000012	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1
PCB-209	0.00043	B	0.000024	0.0000004 2	mg/Kg	☼	11/02/17 12:52	11/21/17 22:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*45*		*5 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-3L	*51*		*5 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-4L	*50*		*5 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-15L	*62*		*5 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-19L	*57*		*5 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-37L	*55*		*5 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-54L	*39*	*q*	*5 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-77L	*91*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-81L	*89*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-104L	*62*	*q*	*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-105L	*95*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-114L	*89*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-118L	*89*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-123L	*90*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-126L	*74*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-155L	*91*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-156L/157L	*107*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-167L	*107*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-169L	*98*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-188L	*116*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-189L	*138*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-202L	*113*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-205L	*88*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-206L	*95*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-208L	*124*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*
PCB-209L	*104*		*10 - 145*	*11/02/17 12:52*	*11/21/17 22:38*	*1*

Client Sample ID: DUP-1 (102417)

Date Collected: 10/24/17 00:00
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-12

Matrix: Solid
Percent Solids: 84.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	136		5 - 145	11/02/17 12:52	11/21/17 22:38	1
PCB-111L	182	X	10 - 145	11/02/17 12:52	11/21/17 22:38	1
PCB-178L	205	X	10 - 145	11/02/17 12:52	11/21/17 22:38	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-90/101/113	0.052	B	0.0014	0.00062	mg/Kg	☼	11/02/17 12:52	11/29/17 06:22	20
PCB-110/115	0.068	B	0.00095	0.00054	mg/Kg	☼	11/02/17 12:52	11/29/17 06:22	20
PCB-118	0.049	E B G	0.00053	0.00053	mg/Kg	☼	11/02/17 12:52	11/29/17 06:22	20
PCB-129/138/163	0.063	B	0.0014	0.00025	mg/Kg	☼	11/02/17 12:52	11/29/17 06:22	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	50		5 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-3L	52		5 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-4L	54		5 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-15L	66		5 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-19L	57		5 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-37L	71		5 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-54L	51		5 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-77L	86		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-81L	86		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-104L	68		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-105L	93		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-114L	89		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-118L	93		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-123L	88		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-126L	94		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-155L	72		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-156L/157L	90		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-167L	89		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-169L	88		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-188L	88		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-189L	89		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-202L	85		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-205L	92		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-206L	89		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-208L	92		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-209L	94		10 - 145	11/02/17 12:52	11/29/17 06:22	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	62		5 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-111L	87		10 - 145	11/02/17 12:52	11/29/17 06:22	20
PCB-178L	101		10 - 145	11/02/17 12:52	11/29/17 06:22	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000049	U	0.0000012	0.00000049	mg/Kg	☼	11/02/17 12:58	11/15/17 22:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	85	q	40 - 135	11/02/17 12:58	11/15/17 22:11	1
13C-1,2,3,4,6,7,8-HpCDF	86		40 - 135	11/02/17 12:58	11/15/17 22:11	1

Client Sample ID: DUP-1 (102417)

Lab Sample ID: 680-144745-12

Date Collected: 10/24/17 00:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 84.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,7,8-HxCDF	91		40 - 135	11/02/17 12:58	11/15/17 22:11	1
13C-1,2,3,6,7,8-HxCDD	93		40 - 135	11/02/17 12:58	11/15/17 22:11	1
13C-1,2,3,7,8-PeCDD	88		40 - 135	11/02/17 12:58	11/15/17 22:11	1
13C-1,2,3,7,8-PeCDF	87		40 - 135	11/02/17 12:58	11/15/17 22:11	1
13C-2,3,7,8-TCDD	65		40 - 135	11/02/17 12:58	11/15/17 22:11	1
13C-2,3,7,8-TCDF	84		40 - 135	11/02/17 12:58	11/15/17 22:11	1
13C-OCDD	108		40 - 135	11/02/17 12:58	11/15/17 22:11	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	90		40 - 135	11/02/17 12:58	11/17/17 01:10	1

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	1.1		0.0000020	0.0000050	mg/Kg			12/05/17 15:07	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: SB-202-2 (0-2) (102417)

Date Collected: 10/24/17 14:35
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-13

Matrix: Solid
Percent Solids: 87.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000074	J	0.0012	0.0000097	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-2	0.0000082	J q	0.0012	0.0000077	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-3	0.000026	J	0.0012	0.0000080	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-4	0.00049	J	0.0012	0.000046	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-5	0.000042	U q	0.0012	0.000042	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-6	0.00019	J	0.0012	0.000044	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-7	0.000042	U	0.0012	0.000042	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-8	0.00090	J	0.0012	0.000043	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-9	0.000054	J q	0.0012	0.000044	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-10	0.000032	U q	0.0012	0.000032	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-11	0.000043	U	0.0012	0.000043	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-12/13	0.000091	J	0.0023	0.000042	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-14	0.000037	U	0.0012	0.000037	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-15	0.00076	J	0.0012	0.000042	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-19	0.00053	J	0.0012	0.000016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-54	0.000040	J	0.0012	0.0000063	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-82	0.027	G	0.0027	0.0027	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-83	0.0030	U G	0.0030	0.0030	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-84	0.059	B G	0.0025	0.0025	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-85/116/117	0.030		0.0035	0.0019	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-86/87/97/108/119/125	0.16	B	0.0070	0.0020	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-88/91	0.025		0.0023	0.0022	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-89	0.0024	U G	0.0024	0.0024	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-90/101/113	0.22	B	0.0035	0.0020	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-92	0.014	B G	0.0023	0.0023	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-93/100	0.073		0.0023	0.0022	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-107/124	0.0088		0.0023	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-94	0.0023	U G	0.0023	0.0023	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-95	0.0022	U G	0.0022	0.0022	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-96	0.0010	J	0.0012	0.000021	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-98/102	0.0042		0.0023	0.0021	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-99	0.086	B G	0.0018	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-103	0.0020	U G	0.0020	0.0020	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-104	0.000022	U	0.0012	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-105	0.094	B G	0.0018	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-106	0.0018	U G	0.0018	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-110/115	0.32	B	0.0023	0.0017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-109	0.014	G	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-111	0.0017	U G	0.0017	0.0017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-112	0.0018	U G	0.0018	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-114	0.0062	G	0.0019	0.0019	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-118	0.21	E B G	0.0017	0.0017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-120	0.0016	U G	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-121	0.0016	U G	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-122	0.0019	U G	0.0019	0.0019	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-123	0.0029	G	0.0018	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-126	0.0020	U G	0.0020	0.0020	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-127	0.0018	U G	0.0018	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-128/166	0.049	B	0.0023	0.0017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50

Client Sample ID: SB-202-2 (0-2) (102417)

Date Collected: 10/24/17 14:35
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-13

Matrix: Solid
Percent Solids: 87.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-129/138/163	0.27	B	0.0035	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-130	0.019	G	0.0022	0.0022	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-131	0.0039	G	0.0020	0.0020	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-132	0.087	B G	0.0020	0.0020	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-133	0.0027	G	0.0020	0.0020	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-134/143	0.013		0.0023	0.0021	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-135/151	0.016	B	0.0023	0.0019	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-136	0.023	B G	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-137	0.015	G	0.0017	0.0017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-139/140	0.0045		0.0023	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-141	0.036	B G	0.0020	0.0020	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-142	0.0021	U G	0.0021	0.0021	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-144	0.0018	U G	0.0018	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-145	0.0014	U G	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-146	0.025	G	0.0017	0.0017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-147/149	0.14	B	0.0023	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-148	0.0018	U G	0.0018	0.0018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-150	0.0013	U G	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-152	0.0013	U G	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-153/168	0.11	B	0.0023	0.0015	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-154	0.032	G	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-155	0.0012	U	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-156/157	0.041	B G	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-158	0.030	B G	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-159	0.00052	J	0.0012	0.00018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-160	0.0017	U G	0.0017	0.0017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-161	0.0016	U G	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-162	0.00085	J	0.0012	0.00017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-164	0.018	G	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-165	0.0016	U G	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-167	0.011	G	0.00015	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-169	0.00018	U G	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-170	0.027	B	0.0012	0.000029	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-171/173	0.0090		0.0023	0.000029	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-172	0.0039		0.0012	0.000028	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-174	0.024	B	0.0012	0.000031	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-175	0.0010	J	0.0012	0.000021	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-176	0.0022		0.0012	0.000015	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-177	0.012		0.0012	0.000029	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-178	0.0034		0.0012	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-179	0.0071		0.0012	0.000016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-180/193	0.044	B	0.0023	0.000023	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-181	0.00056	J	0.0012	0.000026	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-182	0.00015	J	0.0012	0.000019	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-183	0.011	B	0.0012	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-184	0.000016	U	0.0012	0.000016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-185	0.0022		0.0012	0.000027	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-186	0.000016	U	0.0012	0.000016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-187	0.020	B	0.0012	0.000019	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50

Client Sample ID: SB-202-2 (0-2) (102417)

Date Collected: 10/24/17 14:35
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-13

Matrix: Solid
Percent Solids: 87.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-188	0.000016	U	0.0012	0.000016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-189	**0.0011**		0.00012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-190	**0.0046**	**B**	0.0012	0.000021	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-191	**0.0010**	**J**	0.0012	0.000021	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-192	0.000022	U	0.0012	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-194	**0.0054**	**B**	0.0012	0.000019	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-195	**0.0024**		0.0012	0.000020	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-196	**0.0036**		0.0012	0.000023	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-197	**0.00028**	**J**	0.0012	0.000016	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-198/199	**0.0074**		0.0023	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-200	**0.00094**	**J**	0.0012	0.000019	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-201	**0.00095**	**J**	0.0012	0.000017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-202	**0.0011**	**J**	0.0012	0.000018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-203	**0.0048**		0.0012	0.000023	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-204	0.000018	U	0.0012	0.000018	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-205	**0.00033**	**J**	0.0012	0.000017	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-206	**0.0032**		0.0012	0.000028	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-207	**0.00033**	**J**	0.0012	0.000021	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-208	**0.00087**	**J**	0.0012	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50
PCB-209	**0.00055**	**J B**	0.0012	0.0000080	mg/Kg	☼	11/02/17 12:52	11/28/17 21:14	50

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*65*		*5 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-3L	*73*		*5 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-4L	*75*		*5 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-15L	*99*		*5 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-19L	*75*		*5 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-54L	*77*		*5 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-104L	*80*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-105L	*85*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-114L	*79*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-118L	*89*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-123L	*82*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-126L	*78*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-155L	*70*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-156L/157L	*74*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-167L	*78*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-169L	*72*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-188L	*101*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-189L	*95*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-202L	*101*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-205L	*72*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-206L	*93*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-208L	*96*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-209L	*104*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*113*		*5 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-111L	*85*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*
PCB-178L	*95*		*10 - 145*	*11/02/17 12:52*	*11/28/17 21:14*	*50*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: SB-202-2 (0-2) (102417)

Lab Sample ID: 680-144745-13

Date Collected: 10/24/17 14:35
Date Received: 10/25/17 17:30

Matrix: Solid
Percent Solids: 87.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000011	U	0.000023	0.000011	mg/Kg	☼	11/02/17 12:58	11/17/17 10:33	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*84*		*40 - 135*	*11/02/17 12:58*	*11/17/17 10:33*	*20*
13C-1,2,3,4,6,7,8-HpCDF	*75*		*40 - 135*	*11/02/17 12:58*	*11/17/17 10:33*	*20*
13C-1,2,3,4,7,8-HxCDF	*91*		*40 - 135*	*11/02/17 12:58*	*11/17/17 10:33*	*20*
13C-1,2,3,6,7,8-HxCDD	*80*		*40 - 135*	*11/02/17 12:58*	*11/17/17 10:33*	*20*
13C-1,2,3,7,8-PeCDD	*85*		*40 - 135*	*11/02/17 12:58*	*11/17/17 10:33*	*20*
13C-1,2,3,7,8-PeCDF	*78*		*40 - 135*	*11/02/17 12:58*	*11/17/17 10:33*	*20*
13C-2,3,7,8-TCDD	*68*		*40 - 135*	*11/02/17 12:58*	*11/17/17 10:33*	*20*
13C-2,3,7,8-TCDF	*74*		*40 - 135*	*11/02/17 12:58*	*11/17/17 10:33*	*20*
13C-OCDD	*88*		*40 - 135*	*11/02/17 12:58*	*11/17/17 10:33*	*20*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**NaN**		0.0000020	0.0000050	mg/Kg			12/05/17 15:07	1

Client Sample ID: EB-1 (102517)

Lab Sample ID: 680-144745-34

Date Collected: 10/25/17 16:30

Matrix: Water

Date Received: 10/25/17 17:30

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**9.0**	**J**	190	0.69	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-2	0.55	U	190	0.55	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-3	**6.1**	**J**	190	0.58	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-4	6.9	U	190	6.9	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-5	4.3	U	190	4.3	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-6	4.5	U	190	4.5	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-7	4.3	U	190	4.3	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-8	4.4	U	190	4.4	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-9	4.4	U	190	4.4	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-10	4.7	U	190	4.7	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-11	**13**	**J B**	190	4.3	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-12/13	4.3	U	380	4.3	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-14	3.8	U	190	3.8	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-15	4.2	U	190	4.2	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-16	**1.9**	**J**	190	1.2	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-17	**2.3**	**J B**	190	0.87	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-18/30	**4.0**	**J B**	380	0.77	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-19	**5.0**	**J**	190	1.1	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-20/28	**3.8**	**J B**	380	0.85	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-21/33	**2.8**	**J B**	380	0.81	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-22	0.87	U	190	0.87	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-23	0.82	U	190	0.82	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-24	0.70	U	190	0.70	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-25	0.82	U	190	0.82	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-26/29	0.82	U	380	0.82	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-27	0.67	U	190	0.67	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-31	**3.3**	**J B**	190	0.78	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-32	**1.2**	**J**	190	0.64	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-34	0.85	U	190	0.85	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-35	0.86	U	190	0.86	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-36	0.80	U	190	0.80	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-37	**2.2**	**J**	190	0.89	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-38	0.88	U	190	0.88	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-39	0.77	U	190	0.77	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-40/71	**1.4**	**J B**	380	0.46	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-41	0.54	U	190	0.54	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-42	**0.90**	**J**	190	0.50	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-43	0.55	U	190	0.55	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-44/47/65	**5.2**	**J B**	570	0.44	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-45	0.52	U	190	0.52	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-46	0.55	U	190	0.55	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-48	0.46	U	190	0.46	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-49/69	**1.6**	**J B**	380	0.39	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-50/53	0.44	U	380	0.44	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-51	0.44	U	190	0.44	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-52	**3.1**	**J B**	190	0.47	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-54	**3.2**	**J**	190	0.50	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-55	0.58	U	190	0.58	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-56	0.60	U	190	0.60	pg/L		11/01/17 07:42	11/03/17 16:47	1

Client Sample ID: EB-1 (102517)

Lab Sample ID: 680-144745-34

Date Collected: 10/25/17 16:30

Matrix: Water

Date Received: 10/25/17 17:30

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.58	U	190	0.58	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-58	0.56	U	190	0.56	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-59/62/75	0.34	U	570	0.34	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-60	0.58	U	190	0.58	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-61/70/74/76	**2.4**	**J B**	770	0.56	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-63	0.51	U	190	0.51	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-64	**1.3**	**J B**	190	0.32	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-66	**1.3**	**J**	190	0.59	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-67	0.54	U	190	0.54	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-68	0.51	U	190	0.51	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-72	0.54	U	190	0.54	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-73	0.35	U	190	0.35	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-77	0.62	U	19	0.62	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-78	0.59	U	190	0.59	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-79	0.52	U	190	0.52	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-80	0.50	U	190	0.50	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-81	**1.6**	**J**	19	0.62	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-82	0.86	U	190	0.86	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-83	0.93	U	190	0.93	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-84	0.80	U	190	0.80	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-85/116/117	0.60	U	570	0.60	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-86/87/97/108/119/125	0.62	U	1100	0.62	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-88/91	0.69	U	380	0.69	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-89	0.75	U	190	0.75	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-90/101/113	**3.1**	**J B**	570	0.63	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-92	0.73	U	190	0.73	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-93/100	0.68	U	380	0.68	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-107/124	0.55	U	380	0.55	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-94	0.72	U	190	0.72	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-95	**2.1**	**J**	190	0.68	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-96	0.52	U	190	0.52	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-98/102	0.66	U	380	0.66	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-99	**1.4**	**J**	190	0.58	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-103	0.63	U	190	0.63	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-104	**2.5**	**J**	190	0.49	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-105	**2.1**	**J**	19	0.60	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-106	0.57	U	190	0.57	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-110/115	**3.2**	**J q B**	380	0.55	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-109	0.52	U	190	0.52	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-111	0.53	U	190	0.53	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-112	0.55	U	190	0.55	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-114	0.59	U	19	0.59	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-118	**3.6**	**J B**	19	0.56	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-120	0.51	U	190	0.51	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-121	0.51	U	190	0.51	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-122	0.60	U	190	0.60	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-123	0.58	U	19	0.58	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-126	0.67	U	19	0.67	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-127	0.57	U	190	0.57	pg/L		11/01/17 07:42	11/03/17 16:47	1

Client Sample ID: EB-1 (102517)

Lab Sample ID: 680-144745-34

Date Collected: 10/25/17 16:30

Matrix: Water

Date Received: 10/25/17 17:30

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	0.90	U	380	0.90	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-129/138/163	**5.9**	**J B**	570	0.95	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-130	1.2	U	190	1.2	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-131	1.1	U	190	1.1	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-132	1.1	U	190	1.1	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-133	1.1	U	190	1.1	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-134/143	1.1	U	380	1.1	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-135/151	1.0	U	380	1.0	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-136	0.75	U	190	0.75	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-137	0.90	U	190	0.90	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-139/140	0.97	U	380	0.97	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-141	1.1	U	190	1.1	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-142	1.1	U	190	1.1	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-144	0.97	U	190	0.97	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-145	0.73	U	190	0.73	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-146	**2.1**	**J**	190	0.92	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-147/149	**3.4**	**J B**	380	0.98	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-148	0.97	U	190	0.97	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-150	0.68	U	190	0.68	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-152	0.71	U	190	0.71	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-153/168	**8.3**	**J B**	380	0.82	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-154	0.88	U	190	0.88	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-155	**1.3**	**J**	190	0.64	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-156/157	0.73	U	38	0.73	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-158	0.75	U	190	0.75	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-159	0.53	U	190	0.53	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-160	0.92	U	190	0.92	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-161	0.85	U	190	0.85	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-162	0.51	U	190	0.51	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-164	0.88	U	190	0.88	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-165	0.87	U	190	0.87	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-167	0.45	U	19	0.45	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-169	**0.72**	**J**	19	0.55	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-170	**1.3**	**J B**	190	0.46	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-171/173	**0.96**	**J B**	380	0.47	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-172	0.46	U	190	0.46	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-174	0.50	U	190	0.50	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-175	0.90	U	190	0.90	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-176	0.65	U	190	0.65	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-177	**0.67**	**J**	190	0.46	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-178	0.95	U	190	0.95	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-179	0.69	U	190	0.69	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-180/193	**4.5**	**J B**	380	0.38	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-181	0.41	U	190	0.41	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-182	0.85	U	190	0.85	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-183	**2.2**	**J B**	190	0.36	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-184	0.72	U	190	0.72	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-185	0.44	U	190	0.44	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-186	0.69	U	190	0.69	pg/L		11/01/17 07:42	11/03/17 16:47	1

Client Sample ID: EB-1 (102517)

Date Collected: 10/25/17 16:30
Date Received: 10/25/17 17:30

Lab Sample ID: 680-144745-34

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	**3.4**	**J B**	190	0.85	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-188	0.63	U	190	0.63	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-189	0.84	U	19	0.84	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-190	0.33	U	190	0.33	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-191	0.34	U	190	0.34	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-192	0.36	U	190	0.36	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-194	0.79	U	190	0.79	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-195	0.83	U	190	0.83	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-196	0.57	U	190	0.57	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-197	0.40	U	190	0.40	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-198/199	0.61	U	380	0.61	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-200	0.48	U	190	0.48	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-201	0.44	U	190	0.44	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-202	0.45	U	190	0.45	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-203	0.57	U	190	0.57	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-204	0.45	U	190	0.45	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-205	0.69	U	190	0.69	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-206	1.5	U	190	1.5	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-207	1.0	U	190	1.0	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-208	1.1	U	190	1.1	pg/L		11/01/17 07:42	11/03/17 16:47	1
PCB-209	1.3	U	190	1.3	pg/L		11/01/17 07:42	11/03/17 16:47	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*57*		*5 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-3L	*65*		*5 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-4L	*66*		*5 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-15L	*86*		*5 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-19L	*77*		*5 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-37L	*88*		*5 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-54L	*64*		*5 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-77L	*94*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-81L	*92*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-104L	*76*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-105L	*94*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-114L	*91*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-118L	*92*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-123L	*93*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-126L	*91*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-155L	*81*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-156L/157L	*91*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-167L	*93*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-169L	*81*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-188L	*113*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-189L	*98*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-202L	*124*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-205L	*97*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-206L	*84*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-208L	*107*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-209L	*88*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*

Client Sample ID: EB-1 (102517)

Lab Sample ID: 680-144745-34

Date Collected: 10/25/17 16:30

Matrix: Water

Date Received: 10/25/17 17:30

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*88*		*5 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-111L	*95*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*
PCB-178L	*101*		*10 - 145*	*11/01/17 07:42*	*11/03/17 16:47*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.20	U	9.7	0.20	pg/L		11/17/17 10:44	11/21/17 05:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*91*		*40 - 135*	*11/17/17 10:44*	*11/21/17 05:33*	*1*
13C-1,2,3,7,8-PeCDD	*95*		*40 - 135*	*11/17/17 10:44*	*11/21/17 05:33*	*1*
13C-1,2,3,6,7,8-HxCDD	*91*		*40 - 135*	*11/17/17 10:44*	*11/21/17 05:33*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*98*		*40 - 135*	*11/17/17 10:44*	*11/21/17 05:33*	*1*
13C-OCDD	*91*		*40 - 135*	*11/17/17 10:44*	*11/21/17 05:33*	*1*
13C-2,3,7,8-TCDF	*90*		*40 - 135*	*11/17/17 10:44*	*11/21/17 05:33*	*1*
13C-1,2,3,7,8-PeCDF	*93*		*40 - 135*	*11/17/17 10:44*	*11/21/17 05:33*	*1*
13C-1,2,3,4,7,8-HxCDF	*89*		*40 - 135*	*11/17/17 10:44*	*11/21/17 05:33*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*83*		*40 - 135*	*11/17/17 10:44*	*11/21/17 05:33*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**130**	**J**	200	20	pg/L			12/05/17 15:07	1

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: SB-202-1 (0-2) (102417) — Lab Sample ID: 680-144745-11

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.0011**	**G**	0.00027	0.00027	mg/Kg	0.0001	**0.00000011**	1668C
PCB-81	0.00028	U G	0.00028	0.00028	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.039**	**E G B**	0.0012	0.0012	mg/Kg	0.00003	**0.0000012**	1668C
PCB-114	**0.0022**	**G**	0.0014	0.0014	mg/Kg	0.00003	**).000000066**	1668C
PCB-118	**0.092**	**E G B**	0.0012	0.0012	mg/Kg	0.00003	**0.0000028**	1668C
PCB-123	0.0011	U G	0.0011	0.0011	mg/Kg	0.00003	0.00	1668C
PCB-126	0.0019	U G	0.0019	0.0019	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.022**	**E G B**	0.00024	0.00024	mg/Kg	0.00003	**0.00000066**	1668C
PCB-167	**0.0065**	**E G**	0.00017	0.00017	mg/Kg	0.00003	**0.00000020**	1668C
PCB-169	0.00017	U G	0.00017	0.00017	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00071**		0.0000024	0.0000024	mg/Kg	0.00003	**).000000021**	1668C
2,3,7,8-TCDD	0.0000014	U G	0.0000014	0.0000014	mg/Kg	1	0.00	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	1.5		0.0000020	0.0000050	mg/Kg		0.0000051	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000015	TEQ
Total PCB TEQ					mg/Kg		0.0000051	TEQ
Total TEQ					mg/Kg		0.000020	TEQ

Client Sample ID: DUP-1 (102417) — Lab Sample ID: 680-144745-12

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.00068**	**G**	0.00019	0.00019	mg/Kg	0.0001	**).000000068**	1668C
PCB-81	0.00020	U G	0.00020	0.00020	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.036**	**E G B**	0.00086	0.00086	mg/Kg	0.00003	**0.0000011**	1668C
PCB-114	**0.0021**	**G**	0.00093	0.00093	mg/Kg	0.00003	**).000000063**	1668C
PCB-123	**0.0014**	**G**	0.00090	0.00090	mg/Kg	0.00003	**).000000042**	1668C
PCB-126	0.0012	U G	0.0012	0.0012	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.019**	**E G B**	0.00011	0.00011	mg/Kg	0.00003	**0.00000057**	1668C
PCB-167	**0.0056**	**E G**	0.000065	0.000065	mg/Kg	0.00003	**0.00000017**	1668C
PCB-169	0.000072	U G	0.000072	0.000072	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00048**	**q**	0.0000024	0.0000016	mg/Kg	0.00003	**).000000014**	1668C
PCB-118 - DL	**0.049**	**E B G**	0.00053	0.00053	mg/Kg	0.00003	**0.0000015**	1668C
2,3,7,8-TCDD	0.00000049	U	0.0000012	0.0000004 9	mg/Kg	1	0.00	8290A

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Client Sample ID: DUP-1 (102417) (Continued) — Lab Sample ID: 680-144745-12

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Polychlorinated biphenyls, Total	1.1		0.0000020	0.0000050	mg/Kg		0.0000035	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000079	TEQ
Total PCB TEQ					mg/Kg		0.0000035	TEQ
Total TEQ					mg/Kg		0.000011	TEQ

Client Sample ID: SB-202-2 (0-2) (102417) — Lab Sample ID: 680-144745-13

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-105	**0.094**	**B G**	0.0018	0.0018	mg/Kg	0.00003	**0.0000028**	1668C
PCB-114	**0.0062**	**G**	0.0019	0.0019	mg/Kg	0.00003	**0.00000019**	1668C
PCB-118	**0.21**	**E B G**	0.0017	0.0017	mg/Kg	0.00003	**0.0000063**	1668C
PCB-123	**0.0029**	**G**	0.0018	0.0018	mg/Kg	0.00003	**).000000087**	1668C
PCB-126	0.0020	U G	0.0020	0.0020	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.041**	**B G**	0.00026	0.00026	mg/Kg	0.00003	**0.0000012**	1668C
PCB-167	**0.011**	**G**	0.00015	0.00015	mg/Kg	0.00003	**0.00000033**	1668C
PCB-169	0.00018	U G	0.00018	0.00018	mg/Kg	0.03	0.00	1668C
PCB-189	**0.0011**		0.00012	0.000012	mg/Kg	0.00003	**).000000033**	1668C
2,3,7,8-TCDD	0.000011	U	0.000023	0.000011	mg/Kg	1	0.00	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Polychlorinated biphenyls, Total	NaN		0.0000020	0.0000050	mg/Kg		0.000011	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000022	TEQ
Total PCB TEQ					mg/Kg		0.000011	TEQ
Total TEQ					mg/Kg		0.000033	TEQ

Client Sample ID: EB-1 (102517) — Lab Sample ID: 680-144745-34

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-77	0.62	U	19	0.62	pg/L	0.0001	0.00	1668C
PCB-81	**1.6**	**J**	19	0.62	pg/L	0.0003	**0.00048**	1668C
PCB-105	**2.1**	**J**	19	0.60	pg/L	0.00003	**0.000063**	1668C

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: EB-1 (102517) (Continued) — Lab Sample ID: 680-144745-34

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-114	0.59	U	19	0.59	pg/L	0.00003	0.00	1668C
PCB-118	**3.6**	**J B**	19	0.56	pg/L	0.00003	**0.00011**	1668C
PCB-123	0.58	U	19	0.58	pg/L	0.00003	0.00	1668C
PCB-126	0.67	U	19	0.67	pg/L	0.1	0.00	1668C
PCB-156/157	0.73	U	38	0.73	pg/L	0.00003	0.00	1668C
PCB-167	0.45	U	19	0.45	pg/L	0.00003	0.00	1668C
PCB-169	**0.72**	**J**	19	0.55	pg/L	0.03	**0.022**	1668C
PCB-189	0.84	U	19	0.84	pg/L	0.00003	0.00	1668C
2,3,7,8-TCDD	0.20	U	9.7	0.20	pg/L	1	0.00	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Polychlorinated biphenyls, Total	130	J	200	20	pg/L		0.023	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					pg/L		0.31	TEQ
Total PCB TEQ					pg/L		0.023	TEQ
Total TEQ					pg/L		0.33	TEQ

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB-28L	PCB-111L	PCB-178L
Lab Sample ID	Client Sample ID	(5-145)	(10-145)	(10-145)
680-144745-11	SB-202-1 (0-2) (102417)	74	82	95
680-144745-11 - DL	SB-202-1 (0-2) (102417)	60	85	98
680-144745-12	DUP-1 (102417)	136	182 X	205 X
680-144745-12 - DL	DUP-1 (102417)	62	87	101
680-144745-13	SB-202-2 (0-2) (102417)	113	85	95
MB 320-192576/1-A	Method Blank	60	73	87

Surrogate Legend

PCB-28L = PCB-28L
PCB-111L = PCB-111L
PCB-178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB-28L	PCB-111L	PCB-178L
Lab Sample ID	Client Sample ID	(15-145)	(40-145)	(40-145)
LCS 320-192576/2-A	Lab Control Sample	61	69	83

Surrogate Legend

PCB-28L = PCB-28L
PCB-111L = PCB-111L
PCB-178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB-28L	PCB-111L	PCB-178L
Lab Sample ID	Client Sample ID	(5-145)	(10-145)	(10-145)
680-144745-34	EB-1 (102517)	88	95	101
MB 320-192269/1-A	Method Blank	86	93	95

Surrogate Legend

PCB-28L = PCB-28L
PCB-111L = PCB-111L
PCB-178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB-28L	PCB-111L	PCB-178L
Lab Sample ID	Client Sample ID	(15-145)	(40-145)	(40-145)
LCS 320-192269/2-A	Lab Control Sample	88	94	96
LCSD 320-192269/3-A	Lab Control Sample Dup	87	93	98

Surrogate Legend

PCB-28L = PCB-28L
PCB-111L = PCB-111L

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

PCB-178L = PCB-178L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB-1L (5-145)	PCB-3L (5-145)	PCB-4L (5-145)	PCB-15L (5-145)	PCB-19L (5-145)	PCB-37L (5-145)	PCB-54L (5-145)	PCB-77L (10-145)
680-144745-11	SB-202-1 (0-2) (102417)	42	48	45	48	48	41	41	60
680-144745-11 - DL	SB-202-1 (0-2) (102417)	45	46	45	51	53	52	40	65
680-144745-12	DUP-1 (102417)	45	51	50	62	57	55	39 q	91
680-144745-12 - DL	DUP-1 (102417)	50	52	54	66	57	71	51	86
680-144745-13	SB-202-2 (0-2) (102417)	65	73	75	99	75		77	
MB 320-192576/1-A	Method Blank	54	61	58	64	67	62	50	72

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB-81L (10-145)	PCB-104L (10-145)	PCB-105L (10-145)	PCB-114L (10-145)	PCB-118L (10-145)	PCB-123L (10-145)	PCB-126L (10-145)	PCB-155L (10-145)
680-144745-11	SB-202-1 (0-2) (102417)	61	62	64	58	62	62	47	72
680-144745-11 - DL	SB-202-1 (0-2) (102417)	66	53	68	65	70	65	68	54
680-144745-12	DUP-1 (102417)	89	62 q	95	89	89	90	74	91
680-144745-12 - DL	DUP-1 (102417)	86	68	93	89	93	88	94	72
680-144745-13	SB-202-2 (0-2) (102417)		80	85	79	89	82	78	70
MB 320-192576/1-A	Method Blank	72	62	76	78	75	74	86	63

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	B-156L/15 (10-145)	PCB-167L (10-145)	PCB-169L (10-145)	PCB-188L (10-145)	PCB-189L (10-145)	PCB-202L (10-145)	PCB-205L (10-145)	PCB-206L (10-145)
680-144745-11	SB-202-1 (0-2) (102417)	70	72	70	93	108	89	60	74
680-144745-11 - DL	SB-202-1 (0-2) (102417)	67	65	70	67	68	67	66	64
680-144745-12	DUP-1 (102417)	107	107	98	116	138	113	88	95
680-144745-12 - DL	DUP-1 (102417)	90	89	88	88	89	85	92	89
680-144745-13	SB-202-2 (0-2) (102417)	74	78	72	101	95	101	72	93
MB 320-192576/1-A	Method Blank	81	80	85	78	96	87	96	94

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PCB-208L (10-145)	PCB-209L (10-145)
680-144745-11	SB-202-1 (0-2) (102417)	93	82
680-144745-11 - DL	SB-202-1 (0-2) (102417)	69	67
680-144745-12	DUP-1 (102417)	124	104
680-144745-12 - DL	DUP-1 (102417)	92	94
680-144745-13	SB-202-2 (0-2) (102417)	96	104
MB 320-192576/1-A	Method Blank	99	99

Surrogate Legend

PCB-1L = PCB-1L
PCB-3L = PCB-3L
PCB-4L = PCB-4L
PCB-15L = PCB-15L
PCB-19L = PCB-19L
PCB-37L = PCB-37L
PCB-54L = PCB-54L
PCB-77L = PCB-77L
PCB-81L = PCB-81L
PCB-104L = PCB-104L
PCB-105L = PCB-105L
PCB-114L = PCB-114L
PCB-118L = PCB-118L
PCB-123L = PCB-123L

PCB-126L = PCB-126L
PCB-155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB-167L = PCB-167L
PCB-169L = PCB-169L
PCB-188L = PCB-188L
PCB-189L = PCB-189L
PCB-202L = PCB-202L
PCB-205L = PCB-205L
PCB-206L = PCB-206L
PCB-208L = PCB-208L
PCB-209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**PCB-1L (15-145)**	**PCB-3L (15-145)**	**PCB-4L (15-145)**	**PCB-15L (15-145)**	**PCB-19L (15-145)**	**PCB-37L (15-145)**	**PCB-54L (15-145)**	**PCB-77L (40-145)**
LCS 320-192576/2-A	Lab Control Sample	51	59	56	63	66	62	51	70

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**PCB-81L (40-145)**	**PCB-104L (40-145)**	**PCB-105L (40-145)**	**PCB-114L (40-145)**	**PCB-118L (40-145)**	**PCB-123L (40-145)**	**PCB-126L (40-145)**	**PCB-155L (40-145)**
LCS 320-192576/2-A	Lab Control Sample	71	61	72	73	71	71	80	64

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**B-156L/15 (40-145)**	**PCB-167L (40-145)**	**PCB-169L (40-145)**	**PCB-188L (40-145)**	**PCB-189L (40-145)**	**PCB-202L (40-145)**	**PCB-205L (40-145)**	**PCB-206L (40-145)**
LCS 320-192576/2-A	Lab Control Sample	79	76	81	69	86	75	87	86

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**PCB-208L (40-145)**	**PCB-209L (40-145)**						
LCS 320-192576/2-A	Lab Control Sample	86	92						

Surrogate Legend

PCB-1L = PCB-1L
PCB-3L = PCB-3L
PCB-4L = PCB-4L
PCB-15L = PCB-15L
PCB-19L = PCB-19L
PCB-37L = PCB-37L
PCB-54L = PCB-54L
PCB-77L = PCB-77L
PCB-81L = PCB-81L
PCB-104L = PCB-104L
PCB-105L = PCB-105L
PCB-114L = PCB-114L
PCB-118L = PCB-118L
PCB-123L = PCB-123L
PCB-126L = PCB-126L
PCB-155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB-167L = PCB-167L
PCB-169L = PCB-169L
PCB-188L = PCB-188L
PCB-189L = PCB-189L

PCB-202L = PCB-202L
PCB-205L = PCB-205L
PCB-206L = PCB-206L
PCB-208L = PCB-208L
PCB-209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB-1L (5-145)	PCB-3L (5-145)	PCB-4L (5-145)	PCB-15L (5-145)	PCB-19L (5-145)	PCB-37L (5-145)	PCB-54L (5-145)	PCB-77L (10-145)
680-144745-34	EB-1 (102517)	57	65	66	86	77	88	64	94
MB 320-192269/1-A	Method Blank	57	63	64	75	76	81	60	89

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB-81L (10-145)	PCB-104L (10-145)	PCB-105L (10-145)	PCB-114L (10-145)	PCB-118L (10-145)	PCB-123L (10-145)	PCB-126L (10-145)	PCB-155L (10-145)
680-144745-34	EB-1 (102517)	92	76	94	91	92	93	91	81
MB 320-192269/1-A	Method Blank	87	70	91	87	88	87	89	74

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	B-156L/15 (10-145)	PCB-167L (10-145)	PCB-169L (10-145)	PCB-188L (10-145)	PCB-189L (10-145)	PCB-202L (10-145)	PCB-205L (10-145)	PCB-206L (10-145)
680-144745-34	EB-1 (102517)	91	93	81	113	98	124	97	84
MB 320-192269/1-A	Method Blank	89	90	80	100	95	115	95	82

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PCB-208L (10-145)	PCB-209L (10-145)
680-144745-34	EB-1 (102517)	107	88
MB 320-192269/1-A	Method Blank	100	85

Surrogate Legend

PCB-1L = PCB-1L
PCB-3L = PCB-3L
PCB-4L = PCB-4L
PCB-15L = PCB-15L
PCB-19L = PCB-19L
PCB-37L = PCB-37L
PCB-54L = PCB-54L
PCB-77L = PCB-77L
PCB-81L = PCB-81L
PCB-104L = PCB-104L
PCB-105L = PCB-105L
PCB-114L = PCB-114L
PCB-118L = PCB-118L
PCB-123L = PCB-123L
PCB-126L = PCB-126L
PCB-155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB-167L = PCB-167L
PCB-169L = PCB-169L
PCB-188L = PCB-188L
PCB-189L = PCB-189L
PCB-202L = PCB-202L
PCB-205L = PCB-205L
PCB-206L = PCB-206L

PCB-208L = PCB-208L
PCB-209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**PCB-1L (15-145)**	**PCB-3L (15-145)**	**PCB-4L (15-145)**	**PCB-15L (15-145)**	**PCB-19L (15-145)**	**PCB-37L (15-145)**	**PCB-54L (15-145)**	**PCB-77L (40-145)**
LCS 320-192269/2-A	Lab Control Sample	56	63	61	79	73	85	60	92
LCSD 320-192269/3-A	Lab Control Sample Dup	54	62	62	78	74	80	59	88

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**PCB-81L (40-145)**	**PCB-104L (40-145)**	**PCB-105L (40-145)**	**PCB-114L (40-145)**	**PCB-118L (40-145)**	**PCB-123L (40-145)**	**PCB-126L (40-145)**	**PCB-155L (40-145)**
LCS 320-192269/2-A	Lab Control Sample	91	72	92	89	91	89	91	78
LCSD 320-192269/3-A	Lab Control Sample Dup	86	66	87	83	85	83	85	73

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**B-156L/15 (40-145)**	**PCB-167L (40-145)**	**PCB-169L (40-145)**	**PCB-188L (40-145)**	**PCB-189L (40-145)**	**PCB-202L (40-145)**	**PCB-205L (40-145)**	**PCB-206L (40-145)**
LCS 320-192269/2-A	Lab Control Sample	89	90	81	102	97	117	96	83
LCSD 320-192269/3-A	Lab Control Sample Dup	83	86	76	101	93	115	91	81

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	**Client Sample ID**	**PCB-208L (40-145)**	**PCB-209L (40-145)**
LCS 320-192269/2-A	Lab Control Sample	101	86
LCSD 320-192269/3-A	Lab Control Sample Dup	99	82

Surrogate Legend

PCB-1L = PCB-1L
PCB-3L = PCB-3L
PCB-4L = PCB-4L
PCB-15L = PCB-15L
PCB-19L = PCB-19L
PCB-37L = PCB-37L
PCB-54L = PCB-54L
PCB-77L = PCB-77L
PCB-81L = PCB-81L
PCB-104L = PCB-104L
PCB-105L = PCB-105L
PCB-114L = PCB-114L
PCB-118L = PCB-118L
PCB-123L = PCB-123L
PCB-126L = PCB-126L
PCB-155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB-167L = PCB-167L
PCB-169L = PCB-169L
PCB-188L = PCB-188L
PCB-189L = PCB-189L
PCB-202L = PCB-202L
PCB-205L = PCB-205L
PCB-206L = PCB-206L
PCB-208L = PCB-208L
PCB-209L = PCB-209L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HpCDD (40-135)	HpCDF1 (40-135)	HxCDF1 (40-135)	HxCDD2 (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	TCDD (40-135)	TCDF (40-135)
680-144745-11	SB-202-1 (0-2) (102417)	55	53	55	54	54	54	36 *	51
680-144745-11 - RA	SB-202-1 (0-2) (102417)								57
680-144745-12	DUP-1 (102417)	85 q	86	91	93	88	87	65	84
680-144745-12 - RA	DUP-1 (102417)								90
680-144745-13	SB-202-2 (0-2) (102417)	84	75	91	80	85	78	68	74
LCS 320-192583/2-A	Lab Control Sample	82	79	80	78	80	80	77	77
MB 320-192583/1-A	Method Blank	83	84	81	83	85	86	80	79

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDD (40-135)
680-144745-11	SB-202-1 (0-2) (102417)	63
680-144745-11 - RA	SB-202-1 (0-2) (102417)	
680-144745-12	DUP-1 (102417)	108
680-144745-12 - RA	DUP-1 (102417)	
680-144745-13	SB-202-2 (0-2) (102417)	88
LCS 320-192583/2-A	Lab Control Sample	84
MB 320-192583/1-A	Method Blank	87

Surrogate Legend

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF
HxCDF1 = 13C-1,2,3,4,7,8-HxCDF
HxCDD2 = 13C-1,2,3,6,7,8-HxCDD
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF1 = 13C-1,2,3,7,8-PeCDF
TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	PeCDD (40-135)	HxCDD2 (40-135)	HpCDD (40-135)	OCDD (40-135)	TCDF (40-135)	PeCDF1 (40-135)	HxCDF1 (40-135)
680-144745-34	EB-1 (102517)	91	95	91	98	91	90	93	89
LCS 320-195331/2-A	Lab Control Sample	93	96	90	98	94	91	95	89
LCSD 320-195331/3-A	Lab Control Sample Dup	93	93	91	97	93	90	91	92
MB 320-195331/1-A	Method Blank	94	93	91	94	87	88	93	91

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	HpCDF1 (40-135)
680-144745-34	EB-1 (102517)	83
LCS 320-195331/2-A	Lab Control Sample	83
LCSD 320-195331/3-A	Lab Control Sample Dup	70
MB 320-195331/1-A	Method Blank	74

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

PeCDD = 13C-1,2,3,7,8-PeCDD
HxCDD2 = 13C-1,2,3,6,7,8-HxCDD
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
OCDD = 13C-OCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDF1 = 13C-1,2,3,7,8-PeCDF
HxCDF1 = 13C-1,2,3,4,7,8-HxCDF
HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-192269/1-A
Matrix: Water
Analysis Batch: 192770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192269

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	1.7	U	200	1.7	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-2	0.27	U	200	0.27	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-3	0.29	U	200	0.29	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-4	6.1	U	200	6.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-5	2.5	U	200	2.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-6	2.6	U	200	2.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-7	2.5	U	200	2.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-8	2.6	U	200	2.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-9	2.6	U	200	2.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-10	4.5	U	200	4.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-11	20.3	J	200	2.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-12/13	2.5	U	400	2.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-14	2.2	U	200	2.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-15	2.6	U	200	2.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-16	1.4	U	200	1.4	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-17	1.83	J	200	1.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-18/30	3.64	J	400	0.94	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-19	1.2	U	200	1.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-20/28	4.57	J	400	0.81	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-21/33	2.62	J	400	0.77	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-22	1.34	J	200	0.83	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-23	0.78	U	200	0.78	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-24	0.86	U	200	0.86	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-25	0.78	U	200	0.78	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-26/29	0.78	U	400	0.78	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-27	0.81	U	200	0.81	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-31	3.62	J	200	0.74	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-32	0.78	U	200	0.78	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-34	0.81	U	200	0.81	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-35	0.82	U	200	0.82	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-36	0.76	U	200	0.76	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-37	0.87	U	200	0.87	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-38	0.84	U	200	0.84	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-39	0.74	U	200	0.74	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-40/71	1.78	J	400	0.64	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-41	0.75	U	200	0.75	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-42	0.70	U	200	0.70	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-43	0.77	U	200	0.77	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-44/47/65	15.2	J	600	0.61	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-45	0.72	U	200	0.72	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-46	0.76	U	200	0.76	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-48	0.64	U	200	0.64	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-49/69	1.65	J	400	0.53	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-50/53	0.61	U	400	0.61	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-51	1.27	J	200	0.60	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-52	3.82	J	200	0.65	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-54	0.64	U	200	0.64	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-55	0.71	U	200	0.71	pg/L		11/01/17 07:42	11/03/17 13:02	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192269/1-A
Matrix: Water
Analysis Batch: 192770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192269

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-56	0.74	U	200	0.74	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-57	0.71	U	200	0.71	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-58	0.69	U	200	0.69	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-59/62/75	0.47	U	600	0.47	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-60	0.71	U	200	0.71	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-61/70/74/76	3.00	J	800	0.69	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-63	0.63	U	200	0.63	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-64	1.56	J	200	0.45	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-66	0.73	U	200	0.73	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-67	0.67	U	200	0.67	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-68	2.02	J	200	0.62	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-72	0.67	U	200	0.67	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-73	0.49	U	200	0.49	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-77	0.75	U	20	0.75	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-78	0.72	U	200	0.72	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-79	0.64	U	200	0.64	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-80	0.62	U	200	0.62	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-81	0.77	U	20	0.77	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-82	1.3	U	200	1.3	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-83	1.4	U	200	1.4	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-84	1.2	U	200	1.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-85/116/117	0.90	U	600	0.90	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-86/87/97/108/119/125	0.94	U	1200	0.94	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-88/91	1.0	U	400	1.0	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-89	1.1	U	200	1.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-90/101/113	2.90	J	600	0.95	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-92	1.1	U	200	1.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-93/100	1.0	U	400	1.0	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-107/124	0.84	U	400	0.84	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-94	1.1	U	200	1.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-95	1.0	U	200	1.0	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-96	0.49	U	200	0.49	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-98/102	1.0	U	400	1.0	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-99	0.88	U	200	0.88	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-103	0.95	U	200	0.95	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-104	0.48	U	200	0.48	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-105	0.89	U	20	0.89	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-106	0.86	U	200	0.86	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-110/115	3.26	J	400	0.83	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-109	0.79	U	200	0.79	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-111	0.81	U	200	0.81	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-112	0.84	U	200	0.84	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-114	0.89	U	20	0.89	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-118	2.53	J	20	0.85	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-120	0.77	U	200	0.77	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-121	0.77	U	200	0.77	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-122	0.91	U	200	0.91	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-123	0.87	U	20	0.87	pg/L		11/01/17 07:42	11/03/17 13:02	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192269/1-A
Matrix: Water
Analysis Batch: 192770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192269

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	0.99	U	20	0.99	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-127	0.86	U	200	0.86	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-128/166	1.5	U	400	1.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-129/138/163	5.80	J	600	1.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-130	2.0	U	200	2.0	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-131	1.8	U	200	1.8	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-132	1.8	U	200	1.8	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-133	1.8	U	200	1.8	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-134/143	1.8	U	400	1.8	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-135/151	1.7	U	400	1.7	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-136	1.2	U	200	1.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-137	1.5	U	200	1.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-139/140	1.6	U	400	1.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-141	1.8	U	200	1.8	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-142	1.9	U	200	1.9	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-144	1.6	U	200	1.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-145	1.2	U	200	1.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-146	1.5	U	200	1.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-147/149	3.20	J	400	1.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-148	1.6	U	200	1.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-150	1.1	U	200	1.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-152	1.2	U	200	1.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-153/168	7.88	J	400	1.4	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-154	1.4	U	200	1.4	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-155	1.1	U	200	1.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-156/157	0.84	U	40	0.84	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-158	1.2	U	200	1.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-159	0.61	U	200	0.61	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-160	1.5	U	200	1.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-161	1.4	U	200	1.4	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-162	0.59	U	200	0.59	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-164	1.5	U	200	1.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-165	1.4	U	200	1.4	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-167	0.52	U	20	0.52	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-169	0.62	U	20	0.62	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-170	2.14	J	200	0.64	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-171/173	0.904	J	400	0.66	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-172	0.64	U	200	0.64	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-174	0.70	U	200	0.70	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-175	1.6	U	200	1.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-176	1.1	U	200	1.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-177	0.65	U	200	0.65	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-178	1.6	U	200	1.6	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-179	1.2	U	200	1.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-180/193	5.91	J	400	0.53	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-181	0.57	U	200	0.57	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-182	1.5	U	200	1.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-183	2.81	J	200	0.50	pg/L		11/01/17 07:42	11/03/17 13:02	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192269/1-A
Matrix: Water
Analysis Batch: 192770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192269

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-184	1.2	U	200	1.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-185	0.61	U	200	0.61	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-186	1.2	U	200	1.2	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-187	3.99	J	200	1.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-188	1.1	U	200	1.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-189	0.92	U	20	0.92	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-190	0.46	U	200	0.46	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-191	0.47	U	200	0.47	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-192	0.50	U	200	0.50	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-194	0.86	U	200	0.86	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-195	0.91	U	200	0.91	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-196	0.82	U	200	0.82	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-197	0.58	U	200	0.58	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-198/199	0.88	U	400	0.88	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-200	0.70	U	200	0.70	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-201	0.63	U	200	0.63	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-202	0.66	U	200	0.66	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-203	0.82	U	200	0.82	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-204	0.66	U	200	0.66	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-205	0.74	U	200	0.74	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-206	1.5	U	200	1.5	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-207	1.0	U	200	1.0	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-208	1.1	U	200	1.1	pg/L		11/01/17 07:42	11/03/17 13:02	1
PCB-209	1.4	U	200	1.4	pg/L		11/01/17 07:42	11/03/17 13:02	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*57*		*5 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-3L	*63*		*5 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-4L	*64*		*5 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-15L	*75*		*5 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-19L	*76*		*5 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-37L	*81*		*5 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-54L	*60*		*5 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-77L	*89*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-81L	*87*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-104L	*70*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-105L	*91*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-114L	*87*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-118L	*88*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-123L	*87*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-126L	*89*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-155L	*74*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-156L/157L	*89*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-167L	*90*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-169L	*80*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-188L	*100*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-189L	*95*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*
PCB-202L	*115*		*10 - 145*	*11/01/17 07:42*	*11/03/17 13:02*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192269/1-A
Matrix: Water
Analysis Batch: 192770

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192269

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-205L	95		10 - 145	11/01/17 07:42	11/03/17 13:02	1
PCB-206L	82		10 - 145	11/01/17 07:42	11/03/17 13:02	1
PCB-208L	100		10 - 145	11/01/17 07:42	11/03/17 13:02	1
PCB-209L	85		10 - 145	11/01/17 07:42	11/03/17 13:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	86		5 - 145	11/01/17 07:42	11/03/17 13:02	1
PCB-111L	93		10 - 145	11/01/17 07:42	11/03/17 13:02	1
PCB-178L	95		10 - 145	11/01/17 07:42	11/03/17 13:02	1

Lab Sample ID: LCS 320-192269/2-A
Matrix: Water
Analysis Batch: 192770

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	2000	1850		pg/L		92	60 - 135
PCB-3	2000	1870		pg/L		94	60 - 135
PCB-4	2000	1900		pg/L		95	60 - 135
PCB-15	2000	1810		pg/L		91	60 - 135
PCB-19	2000	1820		pg/L		91	60 - 135
PCB-37	2000	1760		pg/L		88	60 - 135
PCB-54	2000	1940		pg/L		97	60 - 135
PCB-77	2000	1830		pg/L		92	60 - 135
PCB-81	2000	1830		pg/L		91	60 - 135
PCB-104	2000	2030		pg/L		101	60 - 135
PCB-105	2000	1870		pg/L		93	60 - 135
PCB-114	2000	1860		pg/L		93	60 - 135
PCB-118	2000	1900		pg/L		95	60 - 135
PCB-123	2000	1880		pg/L		94	60 - 135
PCB-126	2000	1880		pg/L		94	60 - 135
PCB-155	2000	1950		pg/L		98	60 - 135
PCB-156/157	4000	3600		pg/L		90	60 - 135
PCB-167	2000	1800		pg/L		90	60 - 135
PCB-169	2000	1810		pg/L		90	60 - 135
PCB-188	2000	1820		pg/L		91	60 - 135
PCB-189	2000	1650		pg/L		83	60 - 135
PCB-202	2000	1780		pg/L		89	60 - 135
PCB-205	2000	1690		pg/L		84	60 - 135
PCB-206	2000	1920		pg/L		96	60 - 135
PCB-208	2000	1910		pg/L		95	60 - 135
PCB-209	2000	1830		pg/L		91	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	56		15 - 145
PCB-3L	63		15 - 145
PCB-4L	61		15 - 145
PCB-15L	79		15 - 145
PCB-19L	73		15 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-192269/2-A
Matrix: Water
Analysis Batch: 192770

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192269

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-37L	*85*		*15 - 145*
PCB-54L	*60*		*15 - 145*
PCB-77L	*92*		*40 - 145*
PCB-81L	*91*		*40 - 145*
PCB-104L	*72*		*40 - 145*
PCB-105L	*92*		*40 - 145*
PCB-114L	*89*		*40 - 145*
PCB-118L	*91*		*40 - 145*
PCB-123L	*89*		*40 - 145*
PCB-126L	*91*		*40 - 145*
PCB-155L	*78*		*40 - 145*
PCB-156L/157L	*89*		*40 - 145*
PCB-167L	*90*		*40 - 145*
PCB-169L	*81*		*40 - 145*
PCB-188L	*102*		*40 - 145*
PCB-189L	*97*		*40 - 145*
PCB-202L	*117*		*40 - 145*
PCB-205L	*96*		*40 - 145*
PCB-206L	*83*		*40 - 145*
PCB-208L	*101*		*40 - 145*
PCB-209L	*86*		*40 - 145*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*88*		*15 - 145*
PCB-111L	*94*		*40 - 145*
PCB-178L	*96*		*40 - 145*

Lab Sample ID: LCSD 320-192269/3-A
Matrix: Water
Analysis Batch: 192770

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192269

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			2000	1870		pg/L		93	60 - 135	1	50
PCB-3			2000	1880		pg/L		94	60 - 135	0	50
PCB-4			2000	1900		pg/L		95	60 - 135	0	50
PCB-15			2000	1830		pg/L		91	60 - 135	1	50
PCB-19			2000	1830		pg/L		91	60 - 135	0	50
PCB-37			2000	1770		pg/L		88	60 - 135	1	50
PCB-54			2000	1950		pg/L		98	60 - 135	0	50
PCB-77			2000	1810		pg/L		91	60 - 135	1	50
PCB-81			2000	1820		pg/L		91	60 - 135	1	50
PCB-104			2000	2050		pg/L		102	60 - 135	1	50
PCB-105			2000	1870		pg/L		94	60 - 135	0	50
PCB-114			2000	1870		pg/L		94	60 - 135	1	50
PCB-118			2000	1910		pg/L		95	60 - 135	0	50
PCB-123			2000	1890		pg/L		95	60 - 135	1	50
PCB-126			2000	1890		pg/L		95	60 - 135	1	50
PCB-155			2000	1970		pg/L		98	60 - 135	1	50

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-192269/3-A
Matrix: Water
Analysis Batch: 192770

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 192269

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-156/157			4000	3620		pg/L		91	60 - 135	1	50
PCB-167			2000	1800		pg/L		90	60 - 135	0	50
PCB-169			2000	1820		pg/L		91	60 - 135	1	50
PCB-188			2000	1820		pg/L		91	60 - 135	0	50
PCB-189			2000	1650		pg/L		82	60 - 135	0	50
PCB-202			2000	1770		pg/L		89	60 - 135	0	50
PCB-205			2000	1680		pg/L		84	60 - 135	0	50
PCB-206			2000	1870		pg/L		94	60 - 135	3	50
PCB-208			2000	1920		pg/L		96	60 - 135	1	50
PCB-209			2000	1820		pg/L		91	60 - 135	0	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*54*		*15 - 145*
PCB-3L	*62*		*15 - 145*
PCB-4L	*62*		*15 - 145*
PCB-15L	*78*		*15 - 145*
PCB-19L	*74*		*15 - 145*
PCB-37L	*80*		*15 - 145*
PCB-54L	*59*		*15 - 145*
PCB-77L	*88*		*40 - 145*
PCB-81L	*86*		*40 - 145*
PCB-104L	*66*		*40 - 145*
PCB-105L	*87*		*40 - 145*
PCB-114L	*83*		*40 - 145*
PCB-118L	*85*		*40 - 145*
PCB-123L	*83*		*40 - 145*
PCB-126L	*85*		*40 - 145*
PCB-155L	*73*		*40 - 145*
PCB-156L/157L	*83*		*40 - 145*
PCB-167L	*86*		*40 - 145*
PCB-169L	*76*		*40 - 145*
PCB-188L	*101*		*40 - 145*
PCB-189L	*93*		*40 - 145*
PCB-202L	*115*		*40 - 145*
PCB-205L	*91*		*40 - 145*
PCB-206L	*81*		*40 - 145*
PCB-208L	*99*		*40 - 145*
PCB-209L	*82*		*40 - 145*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*87*		*15 - 145*
PCB-111L	*93*		*40 - 145*
PCB-178L	*98*		*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00000022	U	0.000020	0.00000022	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-2	0.00000018	U	0.000020	0.00000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-3	0.00000018	U	0.000020	0.00000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-4	0.0000062	U	0.000020	0.0000062	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-5	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-6	0.0000019	U	0.000020	0.0000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-7	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-8	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-9	0.0000019	U	0.000020	0.0000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-10	0.0000041	U	0.000020	0.0000041	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-11	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-12/13	0.0000018	U	0.000040	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-14	0.0000016	U	0.000020	0.0000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-15	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-16	0.00000035	U	0.000020	0.00000035	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-17	0.00000027	U	0.000020	0.00000027	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-18/30	0.000000459	J	0.000040	0.00000023	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-19	0.00000029	U	0.000020	0.00000029	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-20/28	0.000000506	J	0.000040	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-21/33	0.000000291	J	0.000040	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-22	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-23	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-24	0.00000021	U	0.000020	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-25	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-26/29	0.00000013	U	0.000040	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-27	0.00000020	U	0.000020	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-31	0.000000352	J	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-32	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-34	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-35	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-36	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-37	0.00000015	U	0.000020	0.00000015	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-38	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-39	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-40/71	0.000000364	J	0.000040	0.00000094	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-41	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-42	0.000000232	J	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-43	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-44/47/65	0.00000246	J	0.000060	0.00000089	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-45	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-46	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-48	0.000000145	J	0.000020	0.00000094	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-49/69	0.000000761	J	0.000040	0.00000078	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-50/53	0.000000150	J	0.000040	0.00000089	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-51	0.000000088	U	0.000020	0.00000088	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-52	0.00000288	J	0.000020	0.00000094	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-54	0.00000015	U	0.000020	0.00000015	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-55	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-56	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-57	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-58	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-59/62/75	0.000000069	U	0.000060	0.00000069	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-60	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-61/70/74/76	0.00000212	J	0.000080	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-63	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-64	0.000000353	J	0.000020	0.00000066	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-66	0.000000735	J	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-67	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-68	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-72	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-73	0.000000071	U	0.000020	0.00000071	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-77	0.00000014	U	0.0000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-78	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-79	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-80	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-81	0.00000014	U	0.0000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-82	0.00000038	U	0.000020	0.00000038	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-83	0.00000041	U	0.000020	0.00000041	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-84	0.00000130	J	0.000020	0.00000035	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-85/116/117	0.00000026	U	0.000060	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-86/87/97/108/119/125	0.00000341	J	0.00012	0.00000027	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-88/91	0.00000030	U	0.000040	0.00000030	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-89	0.00000033	U	0.000020	0.00000033	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-90/101/113	0.00000464	J	0.000060	0.00000027	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-92	0.000000884	J	0.000020	0.00000032	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-93/100	0.00000030	U	0.000040	0.00000030	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-107/124	0.00000024	U	0.000040	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-94	0.00000031	U	0.000020	0.00000031	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-95	0.00000388	J	0.000020	0.00000030	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-96	0.00000015	U	0.000020	0.00000015	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-98/102	0.00000029	U	0.000040	0.00000029	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-99	0.00000188	J	0.000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-103	0.00000027	U	0.000020	0.00000027	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-104	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-105	0.00000162	J	0.0000020	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-106	0.00000025	U	0.000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-110/115	0.00000569	J	0.000040	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-109	0.00000023	U	0.000020	0.00000023	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-111	0.00000023	U	0.000020	0.00000023	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-112	0.00000024	U	0.000020	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-114	0.00000025	U	0.0000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-118	0.00000372		0.0000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-120	0.00000022	U	0.000020	0.00000022	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-121	0.00000022	U	0.000020	0.00000022	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-122	0.00000026	U	0.000020	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-123	0.00000026	U	0.0000020	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-126	0.00000025	U	0.0000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-127	0.00000025	U	0.000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-128/166	0.000000478	J	0.000040	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-129/138/163	0.00000322	J	0.000060	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-130	0.00000026	U	0.000020	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-131	0.00000024	U	0.000020	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-132	0.00000131	J	0.000020	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-133	0.00000024	U	0.000020	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-134/143	0.00000024	U	0.000040	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-135/151	0.000000979	J	0.000040	0.00000022	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-136	0.000000502	J	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-137	0.00000020	U	0.000020	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-139/140	0.00000021	U	0.000040	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-141	0.000000471	J	0.000020	0.00000023	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-142	0.00000025	U	0.000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-144	0.00000021	U	0.000020	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-145	0.00000016	U	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-146	0.00000020	U	0.000020	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-147/149	0.00000246	J	0.000040	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-148	0.00000021	U	0.000020	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-150	0.00000015	U	0.000020	0.00000015	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-152	0.00000016	U	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-153/168	0.00000234	J	0.000040	0.00000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-154	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-155	0.00000016	U	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-156/157	0.000000303	J	0.0000040	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-158	0.000000337	J	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-159	0.000000093	U	0.000020	0.0000000093	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-160	0.00000020	U	0.000020	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-161	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-162	0.000000089	U	0.000020	0.0000000089	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-164	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-165	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-167	0.000000086	U	0.0000020	0.0000000086	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-169	0.000000081	U	0.0000020	0.0000000081	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-170	0.000000481	J	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-171/173	0.00000011	U	0.000040	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-172	0.00000010	U	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-174	0.000000198	J	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-175	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-176	0.000000088	U	0.000020	0.0000000088	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-177	0.00000010	U	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-178	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-179	0.000000093	U	0.000020	0.0000000093	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-180/193	0.00000111	J	0.000040	0.000000085	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-181	0.000000093	U	0.000020	0.000000093	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-182	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-183	0.000000353	J	0.000020	0.000000080	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-184	0.000000097	U	0.000020	0.000000097	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-185	0.000000099	U	0.000020	0.000000099	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-186	0.000000093	U	0.000020	0.000000093	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-187	0.000000628	J	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-188	0.00000010	U	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-189	0.00000013	U	0.0000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-190	0.000000140	J	0.000020	0.000000075	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-191	0.000000077	U	0.000020	0.000000077	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-192	0.000000080	U	0.000020	0.000000080	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-194	0.00000279	J	0.000020	0.00000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-195	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-196	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-197	0.000000081	U	0.000020	0.000000081	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-198/199	0.00000012	U	0.000040	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-200	0.000000097	U	0.000020	0.000000097	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-201	0.000000088	U	0.000020	0.000000088	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-202	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-203	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-204	0.000000091	U	0.000020	0.000000091	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-205	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-206	0.00000039	U	0.000020	0.00000039	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-207	0.00000031	U	0.000020	0.00000031	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-208	0.00000036	U	0.000020	0.00000036	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-209	0.00000115	J	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*54*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-3L	*61*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-4L	*58*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-15L	*64*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-19L	*67*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-37L	*62*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-54L	*50*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-77L	*72*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-81L	*72*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-104L	*62*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-105L	*76*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-114L	*78*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-118L	*75*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-123L	*74*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-126L	*86*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-155L	*63*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-156L/157L	*81*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-167L	*80*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-169L	*85*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-188L	*78*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-189L	*96*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-202L	*87*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-205L	*96*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-206L	*94*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-208L	*99*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-209L	*99*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*60*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-111L	*73*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-178L	*87*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*

Lab Sample ID: LCS 320-192576/2-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.000200	0.000193		mg/Kg		97	60 - 135
PCB-3	0.000200	0.000195		mg/Kg		98	60 - 135
PCB-4	0.000200	0.000197		mg/Kg		99	60 - 135
PCB-15	0.000200	0.000192		mg/Kg		96	60 - 135
PCB-19	0.000200	0.000201		mg/Kg		101	60 - 135
PCB-37	0.000200	0.000182		mg/Kg		91	60 - 135
PCB-54	0.000200	0.000204		mg/Kg		102	60 - 135

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-192576/2-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-77	0.000200	0.000192		mg/Kg		96	60 - 135
PCB-81	0.000200	0.000191		mg/Kg		96	60 - 135
PCB-104	0.000200	0.000217		mg/Kg		108	60 - 135
PCB-105	0.000200	0.000211		mg/Kg		105	60 - 135
PCB-114	0.000200	0.000196		mg/Kg		98	60 - 135
PCB-118	0.000200	0.000212		mg/Kg		106	60 - 135
PCB-123	0.000200	0.000205		mg/Kg		102	60 - 135
PCB-126	0.000200	0.000201		mg/Kg		100	60 - 135
PCB-155	0.000200	0.000201		mg/Kg		101	60 - 135
PCB-156/157	0.000400	0.000382		mg/Kg		95	60 - 135
PCB-167	0.000200	0.000191		mg/Kg		96	60 - 135
PCB-169	0.000200	0.000191		mg/Kg		96	60 - 135
PCB-188	0.000200	0.000186		mg/Kg		93	60 - 135
PCB-189	0.000200	0.000157		mg/Kg		78	60 - 135
PCB-202	0.000200	0.000190		mg/Kg		95	60 - 135
PCB-205	0.000200	0.000173		mg/Kg		87	60 - 135
PCB-206	0.000200	0.000190		mg/Kg		95	60 - 135
PCB-208	0.000200	0.000192		mg/Kg		96	60 - 135
PCB-209	0.000200	0.000185		mg/Kg		93	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*51*		*15 - 145*
PCB-3L	*59*		*15 - 145*
PCB-4L	*56*		*15 - 145*
PCB-15L	*63*		*15 - 145*
PCB-19L	*66*		*15 - 145*
PCB-37L	*62*		*15 - 145*
PCB-54L	*51*		*15 - 145*
PCB-77L	*70*		*40 - 145*
PCB-81L	*71*		*40 - 145*
PCB-104L	*61*		*40 - 145*
PCB-105L	*72*		*40 - 145*
PCB-114L	*73*		*40 - 145*
PCB-118L	*71*		*40 - 145*
PCB-123L	*71*		*40 - 145*
PCB-126L	*80*		*40 - 145*
PCB-155L	*64*		*40 - 145*
PCB-156L/157L	*79*		*40 - 145*
PCB-167L	*76*		*40 - 145*
PCB-169L	*81*		*40 - 145*
PCB-188L	*69*		*40 - 145*
PCB-189L	*86*		*40 - 145*
PCB-202L	*75*		*40 - 145*
PCB-205L	*87*		*40 - 145*
PCB-206L	*86*		*40 - 145*
PCB-208L	*86*		*40 - 145*
PCB-209L	*92*		*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-192576/2-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192576

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*61*		*15 - 145*
PCB-111L	*69*		*40 - 145*
PCB-178L	*83*		*40 - 145*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-192583/1-A
Matrix: Solid
Analysis Batch: 195126

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192583

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000015	U	0.0000010	0.0000001 5	mg/Kg		11/02/17 12:58	11/15/17 19:46	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*80*		*40 - 135*	*11/02/17 12:58*	*11/15/17 19:46*	*1*
13C-1,2,3,7,8-PeCDD	*85*		*40 - 135*	*11/02/17 12:58*	*11/15/17 19:46*	*1*
13C-1,2,3,6,7,8-HxCDD	*83*		*40 - 135*	*11/02/17 12:58*	*11/15/17 19:46*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*83*		*40 - 135*	*11/02/17 12:58*	*11/15/17 19:46*	*1*
13C-OCDD	*87*		*40 - 135*	*11/02/17 12:58*	*11/15/17 19:46*	*1*
13C-2,3,7,8-TCDF	*79*		*40 - 135*	*11/02/17 12:58*	*11/15/17 19:46*	*1*
13C-1,2,3,7,8-PeCDF	*86*		*40 - 135*	*11/02/17 12:58*	*11/15/17 19:46*	*1*
13C-1,2,3,4,7,8-HxCDF	*81*		*40 - 135*	*11/02/17 12:58*	*11/15/17 19:46*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*84*		*40 - 135*	*11/02/17 12:58*	*11/15/17 19:46*	*1*

Lab Sample ID: LCS 320-192583/2-A
Matrix: Solid
Analysis Batch: 195126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192583

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,3,7,8-TCDD			0.0000200	0.0000188		mg/Kg		94	77 - 130		

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*77*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*80*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*78*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*82*		*40 - 135*
13C-OCDD	*84*		*40 - 135*
13C-2,3,7,8-TCDF	*77*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*80*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*79*		*40 - 135*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-195331/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 195951 — **Prep Batch: 195331**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.21	U	10	0.21	pg/L		11/17/17 10:44	11/21/17 03:07	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*94*		*40 - 135*	*11/17/17 10:44*	*11/21/17 03:07*	*1*
13C-1,2,3,7,8-PeCDD	*93*		*40 - 135*	*11/17/17 10:44*	*11/21/17 03:07*	*1*
13C-1,2,3,6,7,8-HxCDD	*91*		*40 - 135*	*11/17/17 10:44*	*11/21/17 03:07*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*94*		*40 - 135*	*11/17/17 10:44*	*11/21/17 03:07*	*1*
13C-OCDD	*87*		*40 - 135*	*11/17/17 10:44*	*11/21/17 03:07*	*1*
13C-2,3,7,8-TCDF	*88*		*40 - 135*	*11/17/17 10:44*	*11/21/17 03:07*	*1*
13C-1,2,3,7,8-PeCDF	*93*		*40 - 135*	*11/17/17 10:44*	*11/21/17 03:07*	*1*
13C-1,2,3,4,7,8-HxCDF	*91*		*40 - 135*	*11/17/17 10:44*	*11/21/17 03:07*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*74*		*40 - 135*	*11/17/17 10:44*	*11/21/17 03:07*	*1*

Lab Sample ID: LCS 320-195331/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 195951 — **Prep Batch: 195331**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	200	184		pg/L		92	64 - 142

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*93*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*96*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*98*		*40 - 135*
13C-OCDD	*94*		*40 - 135*
13C-2,3,7,8-TCDF	*91*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*95*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*89*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*83*		*40 - 135*

Lab Sample ID: LCSD 320-195331/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 195951 — **Prep Batch: 195331**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD	200	183		pg/L		92	64 - 142	1	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*93*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*93*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*91*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*97*		*40 - 135*
13C-OCDD	*93*		*40 - 135*
13C-2,3,7,8-TCDF	*90*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*91*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*92*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*70*		*40 - 135*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Specialty Organics

Prep Batch: 192269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-34	EB-1 (102517)	Total/NA	Water	HRMS-Sep	
MB 320-192269/1-A	Method Blank	Total/NA	Water	HRMS-Sep	
LCS 320-192269/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
LCSD 320-192269/3-A	Lab Control Sample Dup	Total/NA	Water	HRMS-Sep	

Prep Batch: 192576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11	SB-202-1 (0-2) (102417)	Total/NA	Solid	HRMS-Sox	
680-144745-11 - DL	SB-202-1 (0-2) (102417)	Total/NA	Solid	HRMS-Sox	
680-144745-12 - DL	DUP-1 (102417)	Total/NA	Solid	HRMS-Sox	
680-144745-12	DUP-1 (102417)	Total/NA	Solid	HRMS-Sox	
680-144745-13	SB-202-2 (0-2) (102417)	Total/NA	Solid	HRMS-Sox	
MB 320-192576/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	
LCS 320-192576/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	

Prep Batch: 192583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11	SB-202-1 (0-2) (102417)	Total/NA	Solid	8290	
680-144745-11 - RA	SB-202-1 (0-2) (102417)	Total/NA	Solid	8290	
680-144745-12	DUP-1 (102417)	Total/NA	Solid	8290	
680-144745-12 - RA	DUP-1 (102417)	Total/NA	Solid	8290	
680-144745-13	SB-202-2 (0-2) (102417)	Total/NA	Solid	8290	
MB 320-192583/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-192583/2-A	Lab Control Sample	Total/NA	Solid	8290	

Analysis Batch: 192770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-34	EB-1 (102517)	Total/NA	Water	1668C	192269
MB 320-192269/1-A	Method Blank	Total/NA	Water	1668C	192269
LCS 320-192269/2-A	Lab Control Sample	Total/NA	Water	1668C	192269
LCSD 320-192269/3-A	Lab Control Sample Dup	Total/NA	Water	1668C	192269

Analysis Batch: 195126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11	SB-202-1 (0-2) (102417)	Total/NA	Solid	8290A	192583
680-144745-12	DUP-1 (102417)	Total/NA	Solid	8290A	192583
MB 320-192583/1-A	Method Blank	Total/NA	Solid	8290A	192583
LCS 320-192583/2-A	Lab Control Sample	Total/NA	Solid	8290A	192583

Analysis Batch: 195226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-13	SB-202-2 (0-2) (102417)	Total/NA	Solid	8290A	192583

Analysis Batch: 195319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11 - RA	SB-202-1 (0-2) (102417)	Total/NA	Solid	8290A	192583
680-144745-12 - RA	DUP-1 (102417)	Total/NA	Solid	8290A	192583

Prep Batch: 195331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-34	EB-1 (102517)	Total/NA	Water	8290	

Specialty Organics (Continued)

Prep Batch: 195331 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-195331/1-A	Method Blank	Total/NA	Water	8290	
LCS 320-195331/2-A	Lab Control Sample	Total/NA	Water	8290	
LCSD 320-195331/3-A	Lab Control Sample Dup	Total/NA	Water	8290	

Analysis Batch: 195879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11	SB-202-1 (0-2) (102417)	Total/NA	Solid	1668C	192576
680-144745-12	DUP-1 (102417)	Total/NA	Solid	1668C	192576
MB 320-192576/1-A	Method Blank	Total/NA	Solid	1668C	192576
LCS 320-192576/2-A	Lab Control Sample	Total/NA	Solid	1668C	192576

Analysis Batch: 195951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-34	EB-1 (102517)	Total/NA	Water	8290A	195331
MB 320-195331/1-A	Method Blank	Total/NA	Water	8290A	195331
LCS 320-195331/2-A	Lab Control Sample	Total/NA	Water	8290A	195331
LCSD 320-195331/3-A	Lab Control Sample Dup	Total/NA	Water	8290A	195331

Analysis Batch: 197053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-13	SB-202-2 (0-2) (102417)	Total/NA	Solid	1668C	192576

Analysis Batch: 197081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11 - DL	SB-202-1 (0-2) (102417)	Total/NA	Solid	1668C	192576
680-144745-12 - DL	DUP-1 (102417)	Total/NA	Solid	1668C	192576

Analysis Batch: 198446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144745-11	SB-202-1 (0-2) (102417)	Total/NA	Solid	None	
680-144745-12	DUP-1 (102417)	Total/NA	Solid	None	
680-144745-13	SB-202-2 (0-2) (102417)	Total/NA	Solid	None	
680-144745-34	EB-1 (102517)	Total/NA	Water	None	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: SB-202-1 (0-2) (102417)
Lab Sample ID: 680-144745-11
Date Collected: 10/24/17 14:25
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			198446	12/05/17 15:07	SHK	TAL SAC

Client Sample ID: SB-202-1 (0-2) (102417)
Lab Sample ID: 680-144745-11
Date Collected: 10/24/17 14:25
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19.75 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C		1			195879	11/21/17 21:23	KSS	TAL SAC
Total/NA	Prep	HRMS-Sox	DL		19.75 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C	DL	20			197081	11/29/17 05:07	KSS	TAL SAC
Total/NA	Prep	8290			19.75 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A		1			195126	11/15/17 21:23	SMA	TAL SAC
Total/NA	Prep	8290	RA		19.75 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A	RA	1			195319	11/17/17 00:32	KSS	TAL SAC

Client Sample ID: DUP-1 (102417)
Lab Sample ID: 680-144745-12
Date Collected: 10/24/17 00:00
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			198446	12/05/17 15:07	SHK	TAL SAC

Client Sample ID: DUP-1 (102417)
Lab Sample ID: 680-144745-12
Date Collected: 10/24/17 00:00
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19.92 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C		1			195879	11/21/17 22:38	KSS	TAL SAC
Total/NA	Prep	HRMS-Sox	DL		19.92 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C	DL	20			197081	11/29/17 06:22	KSS	TAL SAC
Total/NA	Prep	8290			19.92 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A		1			195126	11/15/17 22:11	SMA	TAL SAC
Total/NA	Prep	8290	RA		19.92 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A	RA	1			195319	11/17/17 01:10	KSS	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Client Sample ID: SB-202-2 (0-2) (102417)

Lab Sample ID: 680-144745-13
Date Collected: 10/24/17 14:35
Matrix: Solid
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			198446	12/05/17 15:07	SHK	TAL SAC

Client Sample ID: SB-202-2 (0-2) (102417)

Lab Sample ID: 680-144745-13
Date Collected: 10/24/17 14:35
Matrix: Solid
Date Received: 10/25/17 17:30
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19.73 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C		50			197053	11/28/17 21:14	KSS	TAL SAC
Total/NA	Prep	8290			19.73 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A		20			195226	11/17/17 10:33	SMA	TAL SAC

Client Sample ID: EB-1 (102517)

Lab Sample ID: 680-144745-34
Date Collected: 10/25/17 16:30
Matrix: Water
Date Received: 10/25/17 17:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sep			1044.8 mL	20.0 uL	192269	11/01/17 07:42	DXD	TAL SAC
Total/NA	Analysis	1668C		1			192770	11/03/17 16:47	KSS	TAL SAC
Total/NA	Prep	8290			1032.6 mL	20.0 uL	195331	11/17/17 10:44	ADN	TAL SAC
Total/NA	Analysis	8290A		1			195951	11/21/17 05:33	AS	TAL SAC
Total/NA	Analysis	None		1			198446	12/05/17 15:07	SHK	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204789

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: ANDY DAVIS	Site Contact:	Date: 10/25/17	COC No:
Company Name: ARCADIS	Tel/Fax: ANDREW.DAVIS@ARCADIS.COM	Lab Contact:	Carrier:	1 of 3 COCs
Address: 10 PATEWOOD DR. STE. 375	Analysis Turnaround Time			Sampler: M. LOBEL / B. MAYEUX
City/State/Zip: GREENVILLE SC 29615	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (864) 987-3900	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: ASHLAND	☐ 1 week			
Site: SAVANNAH, GA	☐ 2 days			Job / SDG No.:
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1,1-BIPHENYL 8270D	PCB 8081B/8082A	TEQ 1668C/8290A	Sample Specific Notes:
SB-128-1 (0-1) (102417)	10/24/17	0930	G	So	1			✓			
SB-128-2 (0-1) (102417)	10/24/17	0940	G	So	1			✓			
SB-128-3 (0-1) (102417)	10/24/17	0950	G	So	1			✓			
DUP-3 (102417)	10/24/17	–	G	So	1			✓			
SB-159-1 (0-2) (102417)	10/24/17	1000	G	So	1			✓			
SB-159-2 (0-2) (102417)	10/24/17	1010	G	So	3		Y	✓			MS/MSD
SB-159-3 (0-2) (102417)	10/24/17	1020	G	So	1			✓			
SB-126-1 (0-1) (102417)	10/24/17	1050	G	So	1			✓			
SB-126-2 (0-1) (102417)	10/24/17	1100	G	So	1			✓			
SB-126-3 (0-1) (102417)	10/24/17	1110	G	So	1			✓			
SB-202-1 (0-2) (102417)	10/24/17	1475	G	So	2				✓	✓	
DUP-1 (102417)	10/24/17	–	G	So	2				✓	✓	

680-144745 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Bryan Mayeux	Arcadis	10/25/17 1730			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TASAV	Date/Time: 10-25-17 / 1730

3.5°C 2.7°C 7.2°C (cf) 3.7°C 2.9°C 7.5°C

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204790

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	2 of 3 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1,1-BIPHENYL 8270D	PCB 8082A	TEQ 1668C/8290A	Sample Specific Notes:
SB-202-2 (0-2) (102417)	10/24/17	1435	G	So	2				✓	✓	
SB-137-1 (0-1) (102417)	10/24/17	1450	G	So	1				✓		
DS-9-1 (0-4) (102417)	10/24/17	1530	G	So	1			✓			
DS-9-2 (0-4) (102417)	10/24/17	1540	G	So	1			✓			
DS-9-3 (0-4) (102417)	10/24/17	1550	G	So	1			✓			
DS-9-4 (0-4) (102417)	10/24/17	1600	G	So	1			✓			
SB-168-1 (0-2) (102517)	10/25/17	1040	G	So	3		Y	✓			MS/MSD
SB-168-2 (0-2) (102517)	10/25/17	1050	G	So	1			✓			
SB-168-3 (0-2) (102517)	10/25/17	1100	G	So	1			✓			
SB-189-1 (0-2) (102517)	10/25/17	1110	G	So	1			✓			
SB-189-2 (0-2) (102517)	10/25/17	1120	G	So	1			✓			
SB-189-3 (0-2) (102517)	10/25/17	1130	G	So	1			✓			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Bryan Mayer	Arcadis	10/25/17 1730			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TASAV	10-25-17/1730

3.5°C 2.7°C 7.2°C (CF) 3.7°C 2.9°C 7.5°C

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204794

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager:	Site Contact:	Date:	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	3 of 3 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	1,1-BIPHENYL 8270D	PCB 8081B/8082A	TCL 1668C/8290A	Sample Specific Notes:
EX-21-1 (0-2) (102517)	10/25/17	1215	G	SO	1			✓			
EX-21-2 (0-2) (102517)	10/25/17	1225	G	SO	1			✓			
SB-198-1 (0-2) (102517)	10/25/17	1440	G	SO	1			✓			
SB-198-2 (0-2) (102517)	10/25/17	1450	G	SO	1			✓			
SB-165-1 (0-2) (102517)	10/25/17	1510	G	SO	1			✓			
SB-165-2 (0-2) (102517)	10/25/17	1520	G	SO	1			✓			
EX-22-1 (0-2) (102517)	10/25/17	1600	G	SO	1			✓			
EX-22-2 (0-2) (102517)	10/25/17	1610	G	SO	1			✓			
EX-22-3 (0-2) (102517)	10/25/17	1620	G	SO	1			✓			
EB-1 (102517)	10/25/17	1630	G	WT	6				✓	✓	
EB-2 (102517)	10/25/17	1640	G	WT	2			✓			

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ✓ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ✓ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Bryan Mayeux	Arcadis	10/25/17 1730			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TASAV	10-25-17 / 1730

3.5°C 2.7°C 7.2°C (CF) 3.7°C 2.9°C 7.5°C

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-144745-2

Login Number: 144745
List Number: 1
Creator: Anderson, Jordan K

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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.	False	Received same day of collection; chilling process has begun.
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-144745-2

Login Number: 144745
List Number: 2
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 10/28/17 03:41 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17 *
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144745-2

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	UST-055	12-18-17
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-18
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-18
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	12-31-17
L-A-B	DoD ELAP		L2468	01-20-18
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-18-18
Michigan	State Program	5	9947	01-31-18
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-28-18
Pennsylvania	NELAP	3	68-01272	03-31-18
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-17
Wyoming	State Program	8	8TMS-L	01-28-19

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: 680-144854-1
Client Project/Site: Savannah Resins Plant

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
11/9/2017 10:54:41 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-144854-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Savannah Resins Plant

Report Number: 680-144854-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 10/27/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.8 C.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample IDW-SOIL (102717) (680-144854-19) was analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW846 Methods 1311 / 8270D. The samples were leached on 10/31/2017, prepared on 11/01/2017 and analyzed on 11/03/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL
Samples SB-142-1 (0-1) (102617) (680-144854-1), SB-142-2 (0-1) (102617) (680-144854-2), SB-142-3 (0-1) (102617) (680-144854-3), EX-26-1 (0-2) (102617) (680-144854-4), EX-26-2 (0-2) (102617) (680-144854-5), EX-26-3 (0-2) (102617) (680-144854-6) and Dup-2 (102617) (680-144854-7) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW846 Method 8270D. The samples were prepared on 11/02/2017 and analyzed on 11/06/2017 and 11/07/2017.

The following samples was diluted due to the nature of the sample matrix : SB-142-1 (0-1) (102617) (680-144854-1) and SB-142-2 (0-1) (102617) (680-144854-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

The following sample was diluted due to the nature of the sample matrix : EX-26-2 (0-2) (102617) (680-144854-5). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Internal standard (ISTD) response for Perylene-d12 for the following sample was outside acceptance criteria: SB-142-2 (0-1) (102617) (680-144854-2). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

Internal standard (ISTD) response for Perylene-d12 for the following samples was outside acceptance criteria: SB-142-3 (0-1) (102617) (680-144854-3), EX-26-1 (0-2) (102617) (680-144854-4), EX-26-2 (0-2) (102617) (680-144854-5), EX-26-3 (0-2) (102617) (680-144854-6) and Dup-2 (102617) (680-144854-7). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

Samples SB-142-1 (0-1) (102617) (680-144854-1)[10X], SB-142-2 (0-1) (102617) (680-144854-2)[10X] and EX-26-2 (0-2) (102617) (680-144854-5)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL
Sample EB-3 (102617) (680-144854-18) was analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW-846 Method 8270D. The samples were prepared on 10/31/2017 and analyzed on 11/06/2017.

Job ID: 680-144854-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples SB-122-1 (0-1) (102617) (680-144854-8), SB-122-2 (0-1) (102617) (680-144854-9), SB-122-3 (0-1) (102617) (680-144854-10), SB-122-4 (0-1) (102617) (680-144854-11), SB-204-1 (0-2) (102617) (680-144854-12), SB-204-2 (0-2) (102617) (680-144854-13), SB-204-3 (0-2) (102617) (680-144854-14) and IDW-SOIL (102717) (680-144854-19) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 11/01/2017 and analyzed on 11/01/2017 and 11/02/2017.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

The following samples required a copper clean-up to reduce matrix interferences caused by sulfur: SB-122-1 (0-1) (102617) (680-144854-8), SB-122-2 (0-1) (102617) (680-144854-9), SB-122-3 (0-1) (102617) (680-144854-10), SB-122-4 (0-1) (102617) (680-144854-11), SB-204-1 (0-2) (102617) (680-144854-12), SB-204-1 (0-2) (102617) (680-144854-12[MS]), SB-204-1 (0-2) (102617) (680-144854-12[MSD]), SB-204-2 (0-2) (102617) (680-144854-13), SB-204-3 (0-2) (102617) (680-144854-14) and IDW-SOIL (102717) (680-144854-19).

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: SB-122-1 (0-1) (102617) (680-144854-8), SB-204-1 (0-2) (102617) (680-144854-12[MS]) and IDW-SOIL (102717) (680-144854-19). These results have been reported and qualified.

PCB-1260, DDT, Endrin and Endrin aldehyde failed the recovery criteria high for the MS of sample SB-204-1 (0-2) (102617)MS (680-144854-12) in batch 680-500970.

Several analytes failed the recovery criteria high for the MSD of sample SB-204-1 (0-2) (102617)MSD (680-144854-12) in batch 680-500970.

Refer to the QC report for details.

Samples SB-122-2 (0-1) (102617) (680-144854-9)[5X], SB-204-1 (0-2) (102617) (680-144854-12)[5X] and SB-204-2 (0-2) (102617) (680-144854-13)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples SB-142-1 (0-1) (102617) (680-144854-1), SB-142-2 (0-1) (102617) (680-144854-2), SB-142-3 (0-1) (102617) (680-144854-3), EX-26-1 (0-2) (102617) (680-144854-4), EX-26-2 (0-2) (102617) (680-144854-5), EX-26-3 (0-2) (102617) (680-144854-6), Dup-2 (102617) (680-144854-7), SB-122-1 (0-1) (102617) (680-144854-8), SB-122-2 (0-1) (102617) (680-144854-9), SB-122-3 (0-1) (102617) (680-144854-10), SB-122-4 (0-1) (102617) (680-144854-11), SB-204-1 (0-2) (102617) (680-144854-12), SB-204-2 (0-2) (102617) (680-144854-13), SB-204-3 (0-2) (102617) (680-144854-14), SB-207-1 (0-2) (102617) (680-144854-15), SB-207-2 (0-2) (102617) (680-144854-16), SB-207-3 (0-2) (102617) (680-144854-17) and IDW-SOIL (102717) (680-144854-19) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 10/31/2017 and 11/01/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-144854-1	SB-142-1 (0-1) (102617)	Solid	10/26/17 08:30	10/27/17 13:50
680-144854-2	SB-142-2 (0-1) (102617)	Solid	10/26/17 08:40	10/27/17 13:50
680-144854-3	SB-142-3 (0-1) (102617)	Solid	10/26/17 08:50	10/27/17 13:50
680-144854-4	EX-26-1 (0-2) (102617)	Solid	10/26/17 10:00	10/27/17 13:50
680-144854-5	EX-26-2 (0-2) (102617)	Solid	10/26/17 10:10	10/27/17 13:50
680-144854-6	EX-26-3 (0-2) (102617)	Solid	10/26/17 10:20	10/27/17 13:50
680-144854-7	Dup-2 (102617)	Solid	10/26/17 00:00	10/27/17 13:50
680-144854-8	SB-122-1 (0-1) (102617)	Solid	10/26/17 12:30	10/27/17 13:50
680-144854-9	SB-122-2 (0-1) (102617)	Solid	10/26/17 12:40	10/27/17 13:50
680-144854-10	SB-122-3 (0-1) (102617)	Solid	10/26/17 12:50	10/27/17 13:50
680-144854-11	SB-122-4 (0-1) (102617)	Solid	10/26/17 13:00	10/27/17 13:50
680-144854-12	SB-204-1 (0-2) (102617)	Solid	10/26/17 15:00	10/27/17 13:50
680-144854-13	SB-204-2 (0-2) (102617)	Solid	10/26/17 15:10	10/27/17 13:50
680-144854-14	SB-204-3 (0-2) (102617)	Solid	10/26/17 15:20	10/27/17 13:50
680-144854-15	SB-207-1 (0-2) (102617)	Solid	10/26/17 15:30	10/27/17 13:50
680-144854-16	SB-207-2 (0-2) (102617)	Solid	10/26/17 15:40	10/27/17 13:50
680-144854-17	SB-207-3 (0-2) (102617)	Solid	10/26/17 15:50	10/27/17 13:50
680-144854-18	EB-3 (102617)	Water	10/26/17 16:15	10/27/17 13:50
680-144854-19	IDW-SOIL (102717)	Solid	10/26/17 13:00	10/27/17 13:50

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
D 2216	Percent Moisture	ASTM	TAL SAC
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-142-1 (0-1) (102617) — Lab Sample ID: 680-144854-1

No Detections.

Client Sample ID: SB-142-2 (0-1) (102617) — Lab Sample ID: 680-144854-2

No Detections.

Client Sample ID: SB-142-3 (0-1) (102617) — Lab Sample ID: 680-144854-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.15		0.038	0.0083	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: EX-26-1 (0-2) (102617) — Lab Sample ID: 680-144854-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.031	J	0.036	0.0078	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: EX-26-2 (0-2) (102617) — Lab Sample ID: 680-144854-5

No Detections.

Client Sample ID: EX-26-3 (0-2) (102617) — Lab Sample ID: 680-144854-6

No Detections.

Client Sample ID: Dup-2 (102617) — Lab Sample ID: 680-144854-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.073		0.036	0.0079	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: SB-122-1 (0-1) (102617) — Lab Sample ID: 680-144854-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
DDT	43	p	2.2	0.28	ug/Kg	1	☼	8081B/8082A	Total/NA
PCB-1254	1.2		0.042	0.013	mg/Kg	1	☼	8081B/8082A	Total/NA
Total PCB	1200		42	6.4	ug/Kg	1	☼	8081B/8082A	Total/NA

Client Sample ID: SB-122-2 (0-1) (102617) — Lab Sample ID: 680-144854-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.4		0.21	0.062	mg/Kg	5	☼	8081B/8082A	Total/NA
Total PCB	1400		210	31	ug/Kg	5	☼	8081B/8082A	Total/NA

Client Sample ID: SB-122-3 (0-1) (102617) — Lab Sample ID: 680-144854-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.90		0.038	0.011	mg/Kg	1	☼	8081B/8082A	Total/NA
Total PCB	900		38	5.7	ug/Kg	1	☼	8081B/8082A	Total/NA

Client Sample ID: SB-122-4 (0-1) (102617) — Lab Sample ID: 680-144854-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.27		0.037	0.011	mg/Kg	1	☼	8081B/8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-122-4 (0-1) (102617) (Continued) — Lab Sample ID: 680-144854-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total PCB	270		37	5.7	ug/Kg	1	☼	8081B/8082A	Total/NA

Client Sample ID: SB-204-1 (0-2) (102617) — Lab Sample ID: 680-144854-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	1.6		0.18	0.056	mg/Kg	5	☼	8081B/8082A	Total/NA
Total PCB	1600		180	28	ug/Kg	5	☼	8081B/8082A	Total/NA

Client Sample ID: SB-204-2 (0-2) (102617) — Lab Sample ID: 680-144854-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	5.2		0.38	0.11	mg/Kg	10	☼	8081B/8082A	Total/NA
Total PCB	5200		380	57	ug/Kg	10	☼	8081B/8082A	Total/NA

Client Sample ID: SB-204-3 (0-2) (102617) — Lab Sample ID: 680-144854-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.40		0.040	0.012	mg/Kg	1	☼	8081B/8082A	Total/NA
Total PCB	400		40	6.1	ug/Kg	1	☼	8081B/8082A	Total/NA

Client Sample ID: SB-207-1 (0-2) (102617) — Lab Sample ID: 680-144854-15

No Detections.

Client Sample ID: SB-207-2 (0-2) (102617) — Lab Sample ID: 680-144854-16

No Detections.

Client Sample ID: SB-207-3 (0-2) (102617) — Lab Sample ID: 680-144854-17

No Detections.

Client Sample ID: EB-3 (102617) — Lab Sample ID: 680-144854-18

No Detections.

Client Sample ID: IDW-SOIL (102717) — Lab Sample ID: 680-144854-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.21		0.036	0.011	mg/Kg	1	☼	8081B/8082A	Total/NA
Total PCB	210		36	5.5	ug/Kg	1	☼	8081B/8082A	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-142-1 (0-1) (102617)
Date Collected: 10/26/17 08:30
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-1
Matrix: Solid
Percent Solids: 90.3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.079	U	0.36	0.079	mg/Kg	☼	11/02/17 15:41	11/06/17 21:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*11/02/17 15:41*	*11/06/17 21:03*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*11/02/17 15:41*	*11/06/17 21:03*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*11/02/17 15:41*	*11/06/17 21:03*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*11/02/17 15:41*	*11/06/17 21:03*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*11/02/17 15:41*	*11/06/17 21:03*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*11/02/17 15:41*	*11/06/17 21:03*	*10*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-142-2 (0-1) (102617)
Date Collected: 10/26/17 08:40
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-2
Matrix: Solid
Percent Solids: 90.0

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.080	U	0.37	0.080	mg/Kg	☼	11/02/17 15:41	11/06/17 21:27	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*11/02/17 15:41*	*11/06/17 21:27*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*11/02/17 15:41*	*11/06/17 21:27*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*11/02/17 15:41*	*11/06/17 21:27*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*11/02/17 15:41*	*11/06/17 21:27*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*11/02/17 15:41*	*11/06/17 21:27*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*11/02/17 15:41*	*11/06/17 21:27*	*10*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-142-3 (0-1) (102617)

Lab Sample ID: 680-144854-3

Date Collected: 10/26/17 08:50
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 85.0

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.15**		0.038	0.0083	mg/Kg	☼	11/02/17 15:41	11/07/17 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*54*		*11 - 130*	*11/02/17 15:41*	*11/07/17 16:07*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 130*	*11/02/17 15:41*	*11/07/17 16:07*	*1*
Nitrobenzene-d5 (Surr)	*48*		*18 - 130*	*11/02/17 15:41*	*11/07/17 16:07*	*1*
Phenol-d5 (Surr)	*44*		*10 - 130*	*11/02/17 15:41*	*11/07/17 16:07*	*1*
Terphenyl-d14 (Surr)	*63*		*27 - 130*	*11/02/17 15:41*	*11/07/17 16:07*	*1*
2,4,6-Tribromophenol (Surr)	*62*		*24 - 130*	*11/02/17 15:41*	*11/07/17 16:07*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: EX-26-1 (0-2) (102617)

Lab Sample ID: 680-144854-4

Date Collected: 10/26/17 10:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 89.5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.031	J	0.036	0.0078	mg/Kg	☼	11/02/17 15:41	11/07/17 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*82*		*11 - 130*	*11/02/17 15:41*	*11/07/17 16:31*	*1*
2-Fluorophenol (Surr)	*90*		*10 - 130*	*11/02/17 15:41*	*11/07/17 16:31*	*1*
Nitrobenzene-d5 (Surr)	*75*		*18 - 130*	*11/02/17 15:41*	*11/07/17 16:31*	*1*
Phenol-d5 (Surr)	*83*		*10 - 130*	*11/02/17 15:41*	*11/07/17 16:31*	*1*
Terphenyl-d14 (Surr)	*88*		*27 - 130*	*11/02/17 15:41*	*11/07/17 16:31*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*24 - 130*	*11/02/17 15:41*	*11/07/17 16:31*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: EX-26-2 (0-2) (102617)
Date Collected: 10/26/17 10:10
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-5
Matrix: Solid
Percent Solids: 87.4

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.082	U	0.38	0.082	mg/Kg	☼	11/02/17 15:41	11/07/17 16:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*11/02/17 15:41*	*11/07/17 16:55*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*11/02/17 15:41*	*11/07/17 16:55*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*11/02/17 15:41*	*11/07/17 16:55*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*11/02/17 15:41*	*11/07/17 16:55*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*11/02/17 15:41*	*11/07/17 16:55*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*11/02/17 15:41*	*11/07/17 16:55*	*10*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: EX-26-3 (0-2) (102617)

Lab Sample ID: 680-144854-6

Date Collected: 10/26/17 10:20
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 88.0

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0081	U	0.037	0.0081	mg/Kg	☼	11/02/17 15:41	11/07/17 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*		*11 - 130*	*11/02/17 15:41*	*11/07/17 17:19*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 130*	*11/02/17 15:41*	*11/07/17 17:19*	*1*
Nitrobenzene-d5 (Surr)	*48*		*18 - 130*	*11/02/17 15:41*	*11/07/17 17:19*	*1*
Phenol-d5 (Surr)	*49*		*10 - 130*	*11/02/17 15:41*	*11/07/17 17:19*	*1*
Terphenyl-d14 (Surr)	*56*		*27 - 130*	*11/02/17 15:41*	*11/07/17 17:19*	*1*
2,4,6-Tribromophenol (Surr)	*59*		*24 - 130*	*11/02/17 15:41*	*11/07/17 17:19*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: Dup-2 (102617)

Lab Sample ID: 680-144854-7

Date Collected: 10/26/17 00:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 88.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.073**		0.036	0.0079	mg/Kg	☼	11/02/17 15:41	11/07/17 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*11 - 130*	*11/02/17 15:41*	*11/07/17 17:44*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 130*	*11/02/17 15:41*	*11/07/17 17:44*	*1*
Nitrobenzene-d5 (Surr)	*74*		*18 - 130*	*11/02/17 15:41*	*11/07/17 17:44*	*1*
Phenol-d5 (Surr)	*72*		*10 - 130*	*11/02/17 15:41*	*11/07/17 17:44*	*1*
Terphenyl-d14 (Surr)	*97*		*27 - 130*	*11/02/17 15:41*	*11/07/17 17:44*	*1*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 130*	*11/02/17 15:41*	*11/07/17 17:44*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-122-1 (0-1) (102617)

Lab Sample ID: 680-144854-8

Date Collected: 10/26/17 12:30
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 74.6

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	**43**	**p**	2.2	0.28	ug/Kg	☼	11/01/17 11:52	11/01/17 21:43	1
Endrin	0.28	U	2.2	0.28	ug/Kg	☼	11/01/17 11:52	11/01/17 21:43	1
Endrin aldehyde	0.28	U	2.2	0.28	ug/Kg	☼	11/01/17 11:52	11/01/17 21:43	1
Methoxychlor	0.36	U	2.2	0.36	ug/Kg	☼	11/01/17 11:52	11/01/17 21:43	1
PCB-1254	**1.2**		0.042	0.013	mg/Kg	☼	11/01/17 11:52	11/01/17 21:43	1
PCB-1260	0.012	U	0.042	0.012	mg/Kg	☼	11/01/17 11:52	11/01/17 21:43	1
PCB-1262	7.8	U	42	7.8	ug/Kg	☼	11/01/17 11:52	11/01/17 21:43	1
PCB-1268	7.0	U	42	7.0	ug/Kg	☼	11/01/17 11:52	11/01/17 21:43	1
Total PCB	**1200**		42	6.4	ug/Kg	☼	11/01/17 11:52	11/01/17 21:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*40*	*p X*	*54 - 133*	*11/01/17 11:52*	*11/01/17 21:43*	*1*
Tetrachloro-m-xylene	*64*		*46 - 130*	*11/01/17 11:52*	*11/01/17 21:43*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-122-2 (0-1) (102617)

Lab Sample ID: 680-144854-9

Date Collected: 10/26/17 12:40
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 78.8

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.27	U	2.1	0.27	ug/Kg	☼	11/01/17 11:52	11/01/17 21:58	1
Endrin	0.27	U	2.1	0.27	ug/Kg	☼	11/01/17 11:52	11/01/17 21:58	1
Endrin aldehyde	0.27	U	2.1	0.27	ug/Kg	☼	11/01/17 11:52	11/01/17 21:58	1
Methoxychlor	0.35	U	2.1	0.35	ug/Kg	☼	11/01/17 11:52	11/01/17 21:58	1
PCB-1254	**1.4**		0.21	0.062	mg/Kg	☼	11/01/17 11:52	11/02/17 18:07	5
PCB-1260	0.012	U	0.041	0.012	mg/Kg	☼	11/01/17 11:52	11/01/17 21:58	1
PCB-1262	7.6	U	41	7.6	ug/Kg	☼	11/01/17 11:52	11/01/17 21:58	1
PCB-1268	6.9	U	41	6.9	ug/Kg	☼	11/01/17 11:52	11/01/17 21:58	1
Total PCB	**1400**		210	31	ug/Kg	☼	11/01/17 11:52	11/02/17 18:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*54 - 133*	*11/01/17 11:52*	*11/01/17 21:58*	*1*
Tetrachloro-m-xylene	*78*		*46 - 130*	*11/01/17 11:52*	*11/01/17 21:58*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-122-3 (0-1) (102617)

Lab Sample ID: 680-144854-10

Date Collected: 10/26/17 12:50
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 84.0

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.25	U	2.0	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:12	1
Endrin	0.25	U	2.0	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:12	1
Endrin aldehyde	0.25	U	2.0	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:12	1
Methoxychlor	0.32	U	2.0	0.32	ug/Kg	☼	11/01/17 11:52	11/01/17 22:12	1
PCB-1254	**0.90**		0.038	0.011	mg/Kg	☼	11/01/17 11:52	11/01/17 22:12	1
PCB-1260	0.011	U	0.038	0.011	mg/Kg	☼	11/01/17 11:52	11/01/17 22:12	1
PCB-1262	7.0	U	38	7.0	ug/Kg	☼	11/01/17 11:52	11/01/17 22:12	1
PCB-1268	6.3	U	38	6.3	ug/Kg	☼	11/01/17 11:52	11/01/17 22:12	1
Total PCB	**900**		38	5.7	ug/Kg	☼	11/01/17 11:52	11/01/17 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*54 - 133*	*11/01/17 11:52*	*11/01/17 22:12*	*1*
Tetrachloro-m-xylene	*83*		*46 - 130*	*11/01/17 11:52*	*11/01/17 22:12*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-122-4 (0-1) (102617)

Lab Sample ID: 680-144854-11

Date Collected: 10/26/17 13:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 83.5

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.25	U	1.9	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:26	1
Endrin	0.25	U	1.9	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:26	1
Endrin aldehyde	0.25	U	1.9	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:26	1
Methoxychlor	0.32	U	1.9	0.32	ug/Kg	☼	11/01/17 11:52	11/01/17 22:26	1
PCB-1254	**0.27**		0.037	0.011	mg/Kg	☼	11/01/17 11:52	11/01/17 22:26	1
PCB-1260	0.011	U	0.037	0.011	mg/Kg	☼	11/01/17 11:52	11/01/17 22:26	1
PCB-1262	6.9	U	37	6.9	ug/Kg	☼	11/01/17 11:52	11/01/17 22:26	1
PCB-1268	6.2	U	37	6.2	ug/Kg	☼	11/01/17 11:52	11/01/17 22:26	1
Total PCB	**270**		37	5.7	ug/Kg	☼	11/01/17 11:52	11/01/17 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*54 - 133*	*11/01/17 11:52*	*11/01/17 22:26*	*1*
Tetrachloro-m-xylene	*80*		*46 - 130*	*11/01/17 11:52*	*11/01/17 22:26*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-204-1 (0-2) (102617)

Lab Sample ID: 680-144854-12

Date Collected: 10/26/17 15:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 85.6

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.25	U	1.9	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:40	1
Endrin	0.25	U	1.9	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:40	1
Endrin aldehyde	0.25	U	1.9	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:40	1
Methoxychlor	0.31	U	1.9	0.31	ug/Kg	☼	11/01/17 11:52	11/01/17 22:40	1
PCB-1254	**1.6**		0.18	0.056	mg/Kg	☼	11/01/17 11:52	11/02/17 14:50	5
PCB-1260	0.011	U	0.037	0.011	mg/Kg	☼	11/01/17 11:52	11/01/17 22:40	1
PCB-1262	6.8	U	37	6.8	ug/Kg	☼	11/01/17 11:52	11/01/17 22:40	1
PCB-1268	6.2	U	37	6.2	ug/Kg	☼	11/01/17 11:52	11/01/17 22:40	1
Total PCB	**1600**		180	28	ug/Kg	☼	11/01/17 11:52	11/02/17 14:50	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*56*		*54 - 133*	*11/01/17 11:52*	*11/01/17 22:40*	*1*
Tetrachloro-m-xylene	*92*		*46 - 130*	*11/01/17 11:52*	*11/01/17 22:40*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-204-2 (0-2) (102617)

Lab Sample ID: 680-144854-13

Date Collected: 10/26/17 15:10
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 86.1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.25	U	2.0	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:55	1
Endrin	0.25	U	2.0	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:55	1
Endrin aldehyde	0.25	U	2.0	0.25	ug/Kg	☼	11/01/17 11:52	11/01/17 22:55	1
Methoxychlor	0.32	U	2.0	0.32	ug/Kg	☼	11/01/17 11:52	11/01/17 22:55	1
PCB-1254	**5.2**		0.38	0.11	mg/Kg	☼	11/01/17 11:52	11/02/17 15:04	10
PCB-1260	0.011	U	0.038	0.011	mg/Kg	☼	11/01/17 11:52	11/01/17 22:55	1
PCB-1262	7.0	U	38	7.0	ug/Kg	☼	11/01/17 11:52	11/01/17 22:55	1
PCB-1268	6.3	U	38	6.3	ug/Kg	☼	11/01/17 11:52	11/01/17 22:55	1
Total PCB	**5200**		380	57	ug/Kg	☼	11/01/17 11:52	11/02/17 15:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*62*		*54 - 133*	*11/01/17 11:52*	*11/01/17 22:55*	*1*
Tetrachloro-m-xylene	*112*		*46 - 130*	*11/01/17 11:52*	*11/01/17 22:55*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-204-3 (0-2) (102617)

Lab Sample ID: 680-144854-14

Date Collected: 10/26/17 15:20
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 79.9

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.27	U	2.1	0.27	ug/Kg	☼	11/01/17 11:52	11/01/17 23:09	1
Endrin	0.27	U	2.1	0.27	ug/Kg	☼	11/01/17 11:52	11/01/17 23:09	1
Endrin aldehyde	0.27	U	2.1	0.27	ug/Kg	☼	11/01/17 11:52	11/01/17 23:09	1
Methoxychlor	0.34	U	2.1	0.34	ug/Kg	☼	11/01/17 11:52	11/01/17 23:09	1
PCB-1254	**0.40**		0.040	0.012	mg/Kg	☼	11/01/17 11:52	11/01/17 23:09	1
PCB-1260	0.012	U	0.040	0.012	mg/Kg	☼	11/01/17 11:52	11/01/17 23:09	1
PCB-1262	7.5	U	40	7.5	ug/Kg	☼	11/01/17 11:52	11/01/17 23:09	1
PCB-1268	6.7	U	40	6.7	ug/Kg	☼	11/01/17 11:52	11/01/17 23:09	1
Total PCB	**400**		40	6.1	ug/Kg	☼	11/01/17 11:52	11/01/17 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*54 - 133*	*11/01/17 11:52*	*11/01/17 23:09*	*1*
Tetrachloro-m-xylene	*82*		*46 - 130*	*11/01/17 11:52*	*11/01/17 23:09*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: EB-3 (102617)

Lab Sample ID: 680-144854-18

Date Collected: 10/26/17 16:15

Matrix: Water

Date Received: 10/27/17 13:50

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.097	U	0.97	0.097	ug/L		10/31/17 15:29	11/06/17 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*39 - 133*	*10/31/17 15:29*	*11/06/17 14:33*	*1*
2-Fluorobiphenyl (Surr)	*86*		*31 - 107*	*10/31/17 15:29*	*11/06/17 14:33*	*1*
2-Fluorophenol (Surr)	*78*		*18 - 112*	*10/31/17 15:29*	*11/06/17 14:33*	*1*
Terphenyl-d14 (Surr)	*91*		*22 - 121*	*10/31/17 15:29*	*11/06/17 14:33*	*1*
Phenol-d5 (Surr)	*56*		*20 - 113*	*10/31/17 15:29*	*11/06/17 14:33*	*1*
Nitrobenzene-d5 (Surr)	*85*		*37 - 103*	*10/31/17 15:29*	*11/06/17 14:33*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: IDW-SOIL (102717)

Lab Sample ID: 680-144854-19

Date Collected: 10/26/17 13:00

Matrix: Solid

Date Received: 10/27/17 13:50

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0027	U	0.050	0.0027	mg/L		11/01/17 16:06	11/03/17 19:31	1
Pyridine	0.012	U	0.25	0.012	mg/L		11/01/17 16:06	11/03/17 19:31	1
Hexachlorobenzene	0.0040	U	0.050	0.0040	mg/L		11/01/17 16:06	11/03/17 19:31	1
2,4-Dinitrotoluene	0.0060	U	0.050	0.0060	mg/L		11/01/17 16:06	11/03/17 19:31	1
Hexachloroethane	0.0038	U	0.050	0.0038	mg/L		11/01/17 16:06	11/03/17 19:31	1
Hexachlorobutadiene	0.0031	U	0.050	0.0031	mg/L		11/01/17 16:06	11/03/17 19:31	1
Pentachlorophenol	0.010	U	0.25	0.010	mg/L		11/01/17 16:06	11/03/17 19:31	1
2,4,6-Trichlorophenol	0.0043	U	0.050	0.0043	mg/L		11/01/17 16:06	11/03/17 19:31	1
2,4,5-Trichlorophenol	0.0060	U	0.050	0.0060	mg/L		11/01/17 16:06	11/03/17 19:31	1
Nitrobenzene	0.0037	U	0.050	0.0037	mg/L		11/01/17 16:06	11/03/17 19:31	1
2-Methylphenol	0.0045	U	0.050	0.0045	mg/L		11/01/17 16:06	11/03/17 19:31	1
3 & 4 Methylphenol	0.0065	U	0.050	0.0065	mg/L		11/01/17 16:06	11/03/17 19:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*31 - 141*	*11/01/17 16:06*	*11/03/17 19:31*	*1*
2-Fluorobiphenyl (Surr)	*79*		*38 - 130*	*11/01/17 16:06*	*11/03/17 19:31*	*1*
2-Fluorophenol (Surr)	*69*		*25 - 130*	*11/01/17 16:06*	*11/03/17 19:31*	*1*
Terphenyl-d14 (Surr)	*78*		*10 - 143*	*11/01/17 16:06*	*11/03/17 19:31*	*1*
Phenol-d5 (Surr)	*74*		*25 - 130*	*11/01/17 16:06*	*11/03/17 19:31*	*1*
Nitrobenzene-d5 (Surr)	*77*		*39 - 130*	*11/01/17 16:06*	*11/03/17 19:31*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: IDW-SOIL (102717)

Lab Sample ID: 680-144854-19

Date Collected: 10/26/17 13:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 87.7

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.24	U	1.9	0.24	ug/Kg	☼	11/01/17 11:52	11/01/17 23:23	1
Endrin	0.24	U	1.9	0.24	ug/Kg	☼	11/01/17 11:52	11/01/17 23:23	1
Endrin aldehyde	0.24	U	1.9	0.24	ug/Kg	☼	11/01/17 11:52	11/01/17 23:23	1
Methoxychlor	0.31	U	1.9	0.31	ug/Kg	☼	11/01/17 11:52	11/01/17 23:23	1
PCB-1254	**0.21**		0.036	0.011	mg/Kg	☼	11/01/17 11:52	11/01/17 23:23	1
PCB-1260	0.010	U	0.036	0.010	mg/Kg	☼	11/01/17 11:52	11/01/17 23:23	1
PCB-1262	6.7	U	36	6.7	ug/Kg	☼	11/01/17 11:52	11/01/17 23:23	1
PCB-1268	6.0	U	36	6.0	ug/Kg	☼	11/01/17 11:52	11/01/17 23:23	1
Total PCB	**210**		36	5.5	ug/Kg	☼	11/01/17 11:52	11/01/17 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*25*	*p X*	*54 - 133*	*11/01/17 11:52*	*11/01/17 23:23*	*1*
Tetrachloro-m-xylene	*86*		*46 - 130*	*11/01/17 11:52*	*11/01/17 23:23*	*1*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	TPH	PHL	NBZ
Lab Sample ID	Client Sample ID	(31-141)	(38-130)	(25-130)	(10-143)	(25-130)	(39-130)
LCS 680-500844/10-A	Lab Control Sample	88	78	64	91	71	74
MB 680-500844/9-A	Method Blank	82	70	59	87	64	70

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TPH = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	TPH	PHL	NBZ
Lab Sample ID	Client Sample ID	(31-141)	(38-130)	(25-130)	(10-143)	(25-130)	(39-130)
680-144854-19	IDW-SOIL (102717)	90	79	69	78	74	77
680-144854-19 MS	IDW-SOIL (102717)	80	70	55	79	60	68
680-144854-19 MSD	IDW-SOIL (102717)	85	73	58	87	66	71
LB2 680-500690/5-B	Method Blank	77	63	50	82	54	64

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TPH = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(11-130)	(10-130)	(18-130)	(10-130)	(27-130)	(24-130)
680-144854-1	SB-142-1 (0-1) (102617)	0 D	0 D	0 D	0 D	0 D	0 D
680-144854-2	SB-142-2 (0-1) (102617)	0 D	0 D	0 D	0 D	0 D	0 D
680-144854-3	SB-142-3 (0-1) (102617)	54	52	48	44	63	62
680-144854-4	EX-26-1 (0-2) (102617)	82	90	75	83	88	94
680-144854-5	EX-26-2 (0-2) (102617)	0 D	0 D	0 D	0 D	0 D	0 D
680-144854-6	EX-26-3 (0-2) (102617)	52	52	48	49	56	59
680-144854-7	Dup-2 (102617)	80	81	74	72	97	92
680-144854-7 MS	Dup-2 (102617)	61	62	57	32	63	67
680-144854-7 MSD	Dup-2 (102617)	68	66	63	37	69	81
LCS 680-501016/9-A	Lab Control Sample	75	70	70	60	84	86
MB 680-501016/8-A	Method Blank	65	67	58	39	67	55

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	TPH	PHL	NBZ
Lab Sample ID	Client Sample ID	(39-133)	(31-107)	(18-112)	(22-121)	(20-113)	(37-103)
680-144854-18	EB-3 (102617)	88	86	78	91	56	85

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TPH = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX1
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-144854-10	SB-122-3 (0-1) (102617)	61	83
680-144854-12	SB-204-1 (0-2) (102617)	56	92
680-144854-12 MS	SB-204-1 (0-2) (102617)	51 X	104
680-144854-12 MS	SB-204-1 (0-2) (102617)	57	94
680-144854-12 MSD	SB-204-1 (0-2) (102617)	55	92
680-144854-12 MSD	SB-204-1 (0-2) (102617)	57	95
LCS 680-500843/19-A	Lab Control Sample	83	88

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB2	TCX2
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-144854-9	SB-122-2 (0-1) (102617)	71	78
680-144854-11	SB-122-4 (0-1) (102617)	60	80
LCS 680-500843/22-A	Lab Control Sample	73	75
MB 680-500843/18-A	Method Blank	89	90

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX1
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-144854-13	SB-204-2 (0-2) (102617)	62	112

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCB1	TCX2
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-144854-8	SB-122-1 (0-1) (102617)	40 p X	64
680-144854-14	SB-204-3 (0-2) (102617)	54	82
680-144854-19	IDW-SOIL (102717)	25 p X	86

Surrogate Legend

DCB = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-500844/9-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 501195 — **Prep Batch: 500844**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.00054	U	0.010	0.00054	mg/L		11/01/17 16:06	11/03/17 16:23	1
Pyridine	0.0024	U	0.050	0.0024	mg/L		11/01/17 16:06	11/03/17 16:23	1
Hexachlorobenzene	0.00080	U	0.010	0.00080	mg/L		11/01/17 16:06	11/03/17 16:23	1
2,4-Dinitrotoluene	0.0012	U	0.010	0.0012	mg/L		11/01/17 16:06	11/03/17 16:23	1
Hexachloroethane	0.00076	U	0.010	0.00076	mg/L		11/01/17 16:06	11/03/17 16:23	1
Hexachlorobutadiene	0.00062	U	0.010	0.00062	mg/L		11/01/17 16:06	11/03/17 16:23	1
Pentachlorophenol	0.0020	U	0.050	0.0020	mg/L		11/01/17 16:06	11/03/17 16:23	1
2,4,6-Trichlorophenol	0.00086	U	0.010	0.00086	mg/L		11/01/17 16:06	11/03/17 16:23	1
2,4,5-Trichlorophenol	0.0012	U	0.010	0.0012	mg/L		11/01/17 16:06	11/03/17 16:23	1
Nitrobenzene	0.00074	U	0.010	0.00074	mg/L		11/01/17 16:06	11/03/17 16:23	1
2-Methylphenol	0.00090	U	0.010	0.00090	mg/L		11/01/17 16:06	11/03/17 16:23	1
3 & 4 Methylphenol	0.0013	U	0.010	0.0013	mg/L		11/01/17 16:06	11/03/17 16:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*31 - 141*	*11/01/17 16:06*	*11/03/17 16:23*	*1*
2-Fluorobiphenyl (Surr)	*70*		*38 - 130*	*11/01/17 16:06*	*11/03/17 16:23*	*1*
2-Fluorophenol (Surr)	*59*		*25 - 130*	*11/01/17 16:06*	*11/03/17 16:23*	*1*
Terphenyl-d14 (Surr)	*87*		*10 - 143*	*11/01/17 16:06*	*11/03/17 16:23*	*1*
Phenol-d5 (Surr)	*64*		*25 - 130*	*11/01/17 16:06*	*11/03/17 16:23*	*1*
Nitrobenzene-d5 (Surr)	*70*		*39 - 130*	*11/01/17 16:06*	*11/03/17 16:23*	*1*

Lab Sample ID: LCS 680-500844/10-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 501195 — **Prep Batch: 500844**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.100	0.0654		mg/L		65	31 - 130
Pyridine	0.200	0.117		mg/L		59	10 - 130
Hexachlorobenzene	0.100	0.0875		mg/L		87	43 - 130
2,4-Dinitrotoluene	0.100	0.0889		mg/L		89	52 - 130
Hexachloroethane	0.100	0.0656		mg/L		66	29 - 130
Hexachlorobutadiene	0.100	0.0702		mg/L		70	27 - 130
Pentachlorophenol	0.200	0.192		mg/L		96	33 - 130
2,4,6-Trichlorophenol	0.100	0.0871		mg/L		87	47 - 130
2,4,5-Trichlorophenol	0.100	0.0887		mg/L		89	48 - 130
Nitrobenzene	0.100	0.0778		mg/L		78	43 - 130
2-Methylphenol	0.100	0.0778		mg/L		78	40 - 130
3 & 4 Methylphenol	0.100	0.0786		mg/L		79	42 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*31 - 141*
2-Fluorobiphenyl (Surr)	*78*		*38 - 130*
2-Fluorophenol (Surr)	*64*		*25 - 130*
Terphenyl-d14 (Surr)	*91*		*10 - 143*
Phenol-d5 (Surr)	*71*		*25 - 130*
Nitrobenzene-d5 (Surr)	*74*		*39 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB2 680-500690/5-B | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: TCLP**
Analysis Batch: 501195 | **Prep Batch: 500844**

Analyte	LB2 Result	LB2 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.0027	U	0.050	0.0027	mg/L		11/01/17 16:06	11/03/17 16:46	1
Pyridine	0.012	U	0.25	0.012	mg/L		11/01/17 16:06	11/03/17 16:46	1
Hexachlorobenzene	0.0040	U	0.050	0.0040	mg/L		11/01/17 16:06	11/03/17 16:46	1
2,4-Dinitrotoluene	0.0060	U	0.050	0.0060	mg/L		11/01/17 16:06	11/03/17 16:46	1
Hexachloroethane	0.0038	U	0.050	0.0038	mg/L		11/01/17 16:06	11/03/17 16:46	1
Hexachlorobutadiene	0.0031	U	0.050	0.0031	mg/L		11/01/17 16:06	11/03/17 16:46	1
Pentachlorophenol	0.0099	U	0.25	0.0099	mg/L		11/01/17 16:06	11/03/17 16:46	1
2,4,6-Trichlorophenol	0.0043	U	0.050	0.0043	mg/L		11/01/17 16:06	11/03/17 16:46	1
2,4,5-Trichlorophenol	0.0060	U	0.050	0.0060	mg/L		11/01/17 16:06	11/03/17 16:46	1
Nitrobenzene	0.0037	U	0.050	0.0037	mg/L		11/01/17 16:06	11/03/17 16:46	1
2-Methylphenol	0.0045	U	0.050	0.0045	mg/L		11/01/17 16:06	11/03/17 16:46	1
3 & 4 Methylphenol	0.0065	U	0.050	0.0065	mg/L		11/01/17 16:06	11/03/17 16:46	1

Surrogate	*LB2 %Recovery*	*LB2 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*31 - 141*	*11/01/17 16:06*	*11/03/17 16:46*	*1*
2-Fluorobiphenyl (Surr)	*63*		*38 - 130*	*11/01/17 16:06*	*11/03/17 16:46*	*1*
2-Fluorophenol (Surr)	*50*		*25 - 130*	*11/01/17 16:06*	*11/03/17 16:46*	*1*
Terphenyl-d14 (Surr)	*82*		*10 - 143*	*11/01/17 16:06*	*11/03/17 16:46*	*1*
Phenol-d5 (Surr)	*54*		*25 - 130*	*11/01/17 16:06*	*11/03/17 16:46*	*1*
Nitrobenzene-d5 (Surr)	*64*		*39 - 130*	*11/01/17 16:06*	*11/03/17 16:46*	*1*

Lab Sample ID: 680-144854-19 MS | **Client Sample ID: IDW-SOIL (102717)**
Matrix: Solid | **Prep Type: TCLP**
Analysis Batch: 501195 | **Prep Batch: 500844**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0027	U	0.494	0.256		mg/L		52	31 - 130
Pyridine	0.012	U	0.988	0.558		mg/L		57	10 - 130
Hexachlorobenzene	0.0040	U	0.494	0.387		mg/L		78	43 - 130
2,4-Dinitrotoluene	0.0060	U	0.494	0.395		mg/L		80	52 - 130
Hexachloroethane	0.0038	U	0.494	0.240		mg/L		49	29 - 130
Hexachlorobutadiene	0.0031	U	0.494	0.273		mg/L		55	27 - 130
Pentachlorophenol	0.010	U	0.988	0.823		mg/L		83	33 - 130
2,4,6-Trichlorophenol	0.0043	U	0.494	0.378		mg/L		77	47 - 130
2,4,5-Trichlorophenol	0.0060	U	0.494	0.382		mg/L		77	48 - 130
Nitrobenzene	0.0037	U	0.494	0.353		mg/L		72	43 - 130
2-Methylphenol	0.0045	U	0.494	0.343		mg/L		70	40 - 130
3 & 4 Methylphenol	0.0065	U	0.494	0.343		mg/L		70	42 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*31 - 141*
2-Fluorobiphenyl (Surr)	*70*		*38 - 130*
2-Fluorophenol (Surr)	*55*		*25 - 130*
Terphenyl-d14 (Surr)	*79*		*10 - 143*
Phenol-d5 (Surr)	*60*		*25 - 130*
Nitrobenzene-d5 (Surr)	*68*		*39 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-144854-19 MSD — **Client Sample ID: IDW-SOIL (102717)**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 501195 — **Prep Batch: 500844**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0027	U	0.499	0.273		mg/L		55	31 - 130	7	50
Pyridine	0.012	U	0.998	0.612		mg/L		61	10 - 130	9	50
Hexachlorobenzene	0.0040	U	0.499	0.437		mg/L		88	43 - 130	12	50
2,4-Dinitrotoluene	0.0060	U	0.499	0.427		mg/L		86	52 - 130	8	50
Hexachloroethane	0.0038	U	0.499	0.262		mg/L		53	29 - 130	9	50
Hexachlorobutadiene	0.0031	U	0.499	0.298		mg/L		60	27 - 130	9	50
Pentachlorophenol	0.010	U	0.998	0.954		mg/L		96	33 - 130	15	50
2,4,6-Trichlorophenol	0.0043	U	0.499	0.406		mg/L		81	47 - 130	7	50
2,4,5-Trichlorophenol	0.0060	U	0.499	0.419		mg/L		84	48 - 130	9	50
Nitrobenzene	0.0037	U	0.499	0.374		mg/L		75	43 - 130	6	50
2-Methylphenol	0.0045	U	0.499	0.368		mg/L		74	40 - 130	7	50
3 & 4 Methylphenol	0.0065	U	0.499	0.372		mg/L		75	42 - 130	8	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*85*		*31 - 141*
2-Fluorobiphenyl (Surr)	*73*		*38 - 130*
2-Fluorophenol (Surr)	*58*		*25 - 130*
Terphenyl-d14 (Surr)	*87*		*10 - 143*
Phenol-d5 (Surr)	*66*		*25 - 130*
Nitrobenzene-d5 (Surr)	*71*		*39 - 130*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-501016/8-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 501424 — **Prep Batch: 501016**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0070	U	0.032	0.0070	mg/Kg		11/02/17 15:41	11/06/17 19:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*11 - 130*	*11/02/17 15:41*	*11/06/17 19:25*	*1*
2-Fluorophenol (Surr)	*67*		*10 - 130*	*11/02/17 15:41*	*11/06/17 19:25*	*1*
Phenol-d5 (Surr)	*39*		*10 - 130*	*11/02/17 15:41*	*11/06/17 19:25*	*1*
Terphenyl-d14 (Surr)	*67*		*27 - 130*	*11/02/17 15:41*	*11/06/17 19:25*	*1*
2,4,6-Tribromophenol (Surr)	*55*		*24 - 130*	*11/02/17 15:41*	*11/06/17 19:25*	*1*
Nitrobenzene-d5 (Surr)	*58*		*18 - 130*	*11/02/17 15:41*	*11/06/17 19:25*	*1*

Lab Sample ID: LCS 680-501016/9-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 501424 — **Prep Batch: 501016**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.324	0.218		mg/Kg		67	10 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*75*		*11 - 130*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 680-501016/9-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 501424 — **Prep Batch: 501016**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorophenol (Surr)	70		10 - 130
Phenol-d5 (Surr)	60		10 - 130
Terphenyl-d14 (Surr)	84		27 - 130
2,4,6-Tribromophenol (Surr)	86		24 - 130
Nitrobenzene-d5 (Surr)	70		18 - 130

Lab Sample ID: 680-144854-7 MS — **Client Sample ID: Dup-2 (102617)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 501424 — **Prep Batch: 501016**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.073		0.366	0.255		mg/Kg	☼	50	10 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	61		11 - 130
2-Fluorophenol (Surr)	62		10 - 130
Phenol-d5 (Surr)	32		10 - 130
Terphenyl-d14 (Surr)	63		27 - 130
2,4,6-Tribromophenol (Surr)	67		24 - 130
Nitrobenzene-d5 (Surr)	57		18 - 130

Lab Sample ID: 680-144854-7 MSD — **Client Sample ID: Dup-2 (102617)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 501424 — **Prep Batch: 501016**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.073		0.368	0.285		mg/Kg	☼	58	10 - 130	11	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	68		11 - 130
2-Fluorophenol (Surr)	66		10 - 130
Phenol-d5 (Surr)	37		10 - 130
Terphenyl-d14 (Surr)	69		27 - 130
2,4,6-Tribromophenol (Surr)	81		24 - 130
Nitrobenzene-d5 (Surr)	63		18 - 130

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-500843/18-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500970 — **Prep Batch: 500843**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.21	U	1.7	0.21	ug/Kg		11/01/17 11:52	11/01/17 21:01	1
Endrin	0.21	U	1.7	0.21	ug/Kg		11/01/17 11:52	11/01/17 21:01	1
Endrin aldehyde	0.21	U	1.7	0.21	ug/Kg		11/01/17 11:52	11/01/17 21:01	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-500843/18-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500970 — **Prep Batch: 500843**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	0.27	U	1.7	0.27	ug/Kg		11/01/17 11:52	11/01/17 21:01	1
PCB-1254	0.0097	U	0.032	0.0097	mg/Kg		11/01/17 11:52	11/01/17 21:01	1
PCB-1260	0.0093	U	0.032	0.0093	mg/Kg		11/01/17 11:52	11/01/17 21:01	1
PCB-1262	5.9	U	32	5.9	ug/Kg		11/01/17 11:52	11/01/17 21:01	1
PCB-1268	5.3	U	32	5.3	ug/Kg		11/01/17 11:52	11/01/17 21:01	1
Total PCB	4.9	U	32	4.9	ug/Kg		11/01/17 11:52	11/01/17 21:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*54 - 133*	*11/01/17 11:52*	*11/01/17 21:01*	*1*
Tetrachloro-m-xylene	*90*		*46 - 130*	*11/01/17 11:52*	*11/01/17 21:01*	*1*

Lab Sample ID: LCS 680-500843/19-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500970 — **Prep Batch: 500843**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	0.398	0.391		mg/Kg		98	45 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*54 - 133*
Tetrachloro-m-xylene	*88*		*46 - 130*

Lab Sample ID: LCS 680-500843/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500970 — **Prep Batch: 500843**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DDT	6.41	5.60		ug/Kg		87	45 - 144
Endrin	6.41	5.65		ug/Kg		88	46 - 155
Endrin aldehyde	6.41	5.77		ug/Kg		90	41 - 135
Methoxychlor	6.41	5.69		ug/Kg		89	43 - 166

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*73*		*54 - 133*
Tetrachloro-m-xylene	*75*		*46 - 130*

Lab Sample ID: 680-144854-12 MS — **Client Sample ID: SB-204-1 (0-2) (102617)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500970 — **Prep Batch: 500843**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	0.011	U	0.437	0.895	E F1	mg/Kg	☼	205	45 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*51*	*X*	*54 - 133*
Tetrachloro-m-xylene	*104*		*46 - 130*

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Lab Sample ID: 680-144854-12 MS — **Client Sample ID: SB-204-1 (0-2) (102617)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500970 — **Prep Batch: 500843**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
DDT	0.25	U	7.48	274	E F1	ug/Kg	☼	3659	45 - 144
Endrin	0.25	U	7.48	42.5	F1	ug/Kg	☼	568	46 - 155
Endrin aldehyde	0.25	U	7.48	41.5	p F1	ug/Kg	☼	555	41 - 135
Methoxychlor	0.31	U	7.48	12.0	p	ug/Kg	☼	160	43 - 166

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*54 - 133*
Tetrachloro-m-xylene	*94*		*46 - 130*

Lab Sample ID: 680-144854-12 MSD — **Client Sample ID: SB-204-1 (0-2) (102617)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500970 — **Prep Batch: 500843**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	0.011	U	0.436	0.686	F1	mg/Kg	☼	157	45 - 130	26	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*55*		*54 - 133*
Tetrachloro-m-xylene	*92*		*46 - 130*

Lab Sample ID: 680-144854-12 MSD — **Client Sample ID: SB-204-1 (0-2) (102617)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 500970 — **Prep Batch: 500843**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
DDT	0.25	U	7.56	283	E F1	ug/Kg	☼	3743	45 - 144	3	50
Endrin	0.25	U	7.56	29.5	p F1	ug/Kg	☼	390	46 - 155	36	50
Endrin aldehyde	0.25	U	7.56	44.7	p F1	ug/Kg	☼	592	41 - 135	8	50
Methoxychlor	0.31	U	7.56	13.6	p F1	ug/Kg	☼	180	43 - 166	13	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*57*		*54 - 133*
Tetrachloro-m-xylene	*95*		*46 - 130*

GC/MS Semi VOA

Leach Batch: 500690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-19	IDW-SOIL (102717)	TCLP	Solid	1311	
LB2 680-500690/5-B	Method Blank	TCLP	Solid	1311	
680-144854-19 MS	IDW-SOIL (102717)	TCLP	Solid	1311	
680-144854-19 MSD	IDW-SOIL (102717)	TCLP	Solid	1311	

Prep Batch: 500722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-18	EB-3 (102617)	Total/NA	Water	3520C	

Prep Batch: 500844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-19	IDW-SOIL (102717)	TCLP	Solid	3520C	500690
LB2 680-500690/5-B	Method Blank	TCLP	Solid	3520C	500690
MB 680-500844/9-A	Method Blank	Total/NA	Solid	3520C	
LCS 680-500844/10-A	Lab Control Sample	Total/NA	Solid	3520C	
680-144854-19 MS	IDW-SOIL (102717)	TCLP	Solid	3520C	500690
680-144854-19 MSD	IDW-SOIL (102717)	TCLP	Solid	3520C	500690

Prep Batch: 501016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-1	SB-142-1 (0-1) (102617)	Total/NA	Solid	3546	
680-144854-2	SB-142-2 (0-1) (102617)	Total/NA	Solid	3546	
680-144854-3	SB-142-3 (0-1) (102617)	Total/NA	Solid	3546	
680-144854-4	EX-26-1 (0-2) (102617)	Total/NA	Solid	3546	
680-144854-5	EX-26-2 (0-2) (102617)	Total/NA	Solid	3546	
680-144854-6	EX-26-3 (0-2) (102617)	Total/NA	Solid	3546	
680-144854-7	Dup-2 (102617)	Total/NA	Solid	3546	
MB 680-501016/8-A	Method Blank	Total/NA	Solid	3546	
LCS 680-501016/9-A	Lab Control Sample	Total/NA	Solid	3546	
680-144854-7 MS	Dup-2 (102617)	Total/NA	Solid	3546	
680-144854-7 MSD	Dup-2 (102617)	Total/NA	Solid	3546	

Analysis Batch: 501195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-19	IDW-SOIL (102717)	TCLP	Solid	8270D	500844
LB2 680-500690/5-B	Method Blank	TCLP	Solid	8270D	500844
MB 680-500844/9-A	Method Blank	Total/NA	Solid	8270D	500844
LCS 680-500844/10-A	Lab Control Sample	Total/NA	Solid	8270D	500844
680-144854-19 MS	IDW-SOIL (102717)	TCLP	Solid	8270D	500844
680-144854-19 MSD	IDW-SOIL (102717)	TCLP	Solid	8270D	500844

Analysis Batch: 501424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-1	SB-142-1 (0-1) (102617)	Total/NA	Solid	8270D LL	501016
680-144854-2	SB-142-2 (0-1) (102617)	Total/NA	Solid	8270D LL	501016
680-144854-18	EB-3 (102617)	Total/NA	Water	8270D LL	500722
MB 680-501016/8-A	Method Blank	Total/NA	Solid	8270D LL	501016
LCS 680-501016/9-A	Lab Control Sample	Total/NA	Solid	8270D LL	501016
680-144854-7 MS	Dup-2 (102617)	Total/NA	Solid	8270D LL	501016
680-144854-7 MSD	Dup-2 (102617)	Total/NA	Solid	8270D LL	501016

GC/MS Semi VOA (Continued)

Analysis Batch: 501615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-3	SB-142-3 (0-1) (102617)	Total/NA	Solid	8270D LL	501016
680-144854-4	EX-26-1 (0-2) (102617)	Total/NA	Solid	8270D LL	501016
680-144854-5	EX-26-2 (0-2) (102617)	Total/NA	Solid	8270D LL	501016
680-144854-6	EX-26-3 (0-2) (102617)	Total/NA	Solid	8270D LL	501016
680-144854-7	Dup-2 (102617)	Total/NA	Solid	8270D LL	501016

GC Semi VOA

Prep Batch: 500843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-8	SB-122-1 (0-1) (102617)	Total/NA	Solid	3546	
680-144854-9	SB-122-2 (0-1) (102617)	Total/NA	Solid	3546	
680-144854-10	SB-122-3 (0-1) (102617)	Total/NA	Solid	3546	
680-144854-11	SB-122-4 (0-1) (102617)	Total/NA	Solid	3546	
680-144854-12	SB-204-1 (0-2) (102617)	Total/NA	Solid	3546	
680-144854-13	SB-204-2 (0-2) (102617)	Total/NA	Solid	3546	
680-144854-14	SB-204-3 (0-2) (102617)	Total/NA	Solid	3546	
680-144854-19	IDW-SOIL (102717)	Total/NA	Solid	3546	
MB 680-500843/18-A	Method Blank	Total/NA	Solid	3546	
LCS 680-500843/19-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 680-500843/22-A	Lab Control Sample	Total/NA	Solid	3546	
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	3546	
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	3546	
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	3546	
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	3546	

Analysis Batch: 500970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-8	SB-122-1 (0-1) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-9	SB-122-2 (0-1) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-10	SB-122-3 (0-1) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-11	SB-122-4 (0-1) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-12	SB-204-1 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-13	SB-204-2 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-14	SB-204-3 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-19	IDW-SOIL (102717)	Total/NA	Solid	8081B/8082A	500843
MB 680-500843/18-A	Method Blank	Total/NA	Solid	8081B/8082A	500843
LCS 680-500843/19-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	500843
LCS 680-500843/22-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	500843
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843

Analysis Batch: 501067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-9	SB-122-2 (0-1) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-12	SB-204-1 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-13	SB-204-2 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843

GC Semi VOA (Continued)

Analysis Batch: 501067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	8081B/8082A	500843

General Chemistry

Analysis Batch: 192398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-15	SB-207-1 (0-2) (102617)	Total/NA	Solid	D 2216	
680-144854-16	SB-207-2 (0-2) (102617)	Total/NA	Solid	D 2216	
680-144854-17	SB-207-3 (0-2) (102617)	Total/NA	Solid	D 2216	

Analysis Batch: 500675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-1	SB-142-1 (0-1) (102617)	Total/NA	Solid	Moisture	
680-144854-2	SB-142-2 (0-1) (102617)	Total/NA	Solid	Moisture	
680-144854-3	SB-142-3 (0-1) (102617)	Total/NA	Solid	Moisture	
680-144854-4	EX-26-1 (0-2) (102617)	Total/NA	Solid	Moisture	
680-144854-5	EX-26-2 (0-2) (102617)	Total/NA	Solid	Moisture	
680-144854-6	EX-26-3 (0-2) (102617)	Total/NA	Solid	Moisture	
680-144854-7	Dup-2 (102617)	Total/NA	Solid	Moisture	
680-144854-8	SB-122-1 (0-1) (102617)	Total/NA	Solid	Moisture	
680-144854-9	SB-122-2 (0-1) (102617)	Total/NA	Solid	Moisture	
680-144854-10	SB-122-3 (0-1) (102617)	Total/NA	Solid	Moisture	
680-144854-11	SB-122-4 (0-1) (102617)	Total/NA	Solid	Moisture	
680-144854-12	SB-204-1 (0-2) (102617)	Total/NA	Solid	Moisture	
680-144854-13	SB-204-2 (0-2) (102617)	Total/NA	Solid	Moisture	
680-144854-14	SB-204-3 (0-2) (102617)	Total/NA	Solid	Moisture	
680-144854-19	IDW-SOIL (102717)	Total/NA	Solid	Moisture	
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	Moisture	
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-142-1 (0-1) (102617)

Lab Sample ID: 680-144854-1
Date Collected: 10/26/17 08:30
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-142-1 (0-1) (102617)

Lab Sample ID: 680-144854-1
Date Collected: 10/26/17 08:30
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.33 g	1 mL	501016	11/02/17 15:41	JAM	TAL SAV
Total/NA	Analysis	8270D LL		10			501424	11/06/17 21:03	UI	TAL SAV

Client Sample ID: SB-142-2 (0-1) (102617)

Lab Sample ID: 680-144854-2
Date Collected: 10/26/17 08:40
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-142-2 (0-1) (102617)

Lab Sample ID: 680-144854-2
Date Collected: 10/26/17 08:40
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.07 g	1 mL	501016	11/02/17 15:41	JAM	TAL SAV
Total/NA	Analysis	8270D LL		10			501424	11/06/17 21:27	UI	TAL SAV

Client Sample ID: SB-142-3 (0-1) (102617)

Lab Sample ID: 680-144854-3
Date Collected: 10/26/17 08:50
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-142-3 (0-1) (102617)

Lab Sample ID: 680-144854-3
Date Collected: 10/26/17 08:50
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.66 g	1 mL	501016	11/02/17 15:41	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			501615	11/07/17 16:07	UI	TAL SAV

Client Sample ID: EX-26-1 (0-2) (102617)
Lab Sample ID: 680-144854-4
Date Collected: 10/26/17 10:00
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: EX-26-1 (0-2) (102617)
Lab Sample ID: 680-144854-4
Date Collected: 10/26/17 10:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.97 g	1 mL	501016	11/02/17 15:41	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			501615	11/07/17 16:31	UI	TAL SAV

Client Sample ID: EX-26-2 (0-2) (102617)
Lab Sample ID: 680-144854-5
Date Collected: 10/26/17 10:10
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: EX-26-2 (0-2) (102617)
Lab Sample ID: 680-144854-5
Date Collected: 10/26/17 10:10
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.06 g	1 mL	501016	11/02/17 15:41	JAM	TAL SAV
Total/NA	Analysis	8270D LL		10			501615	11/07/17 16:55	UI	TAL SAV

Client Sample ID: EX-26-3 (0-2) (102617)
Lab Sample ID: 680-144854-6
Date Collected: 10/26/17 10:20
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: EX-26-3 (0-2) (102617)
Lab Sample ID: 680-144854-6
Date Collected: 10/26/17 10:20
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.23 g	1 mL	501016	11/02/17 15:41	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			501615	11/07/17 17:19	UI	TAL SAV

Client Sample ID: Dup-2 (102617)
Lab Sample ID: 680-144854-7
Date Collected: 10/26/17 00:00
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: Dup-2 (102617)
Lab Sample ID: 680-144854-7
Date Collected: 10/26/17 00:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.97 g	1 mL	501016	11/02/17 15:41	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			501615	11/07/17 17:44	UI	TAL SAV

Client Sample ID: SB-122-1 (0-1) (102617)
Lab Sample ID: 680-144854-8
Date Collected: 10/26/17 12:30
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-122-1 (0-1) (102617)
Lab Sample ID: 680-144854-8
Date Collected: 10/26/17 12:30
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 74.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.81 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500970	11/01/17 21:43	JCK	TAL SAV

Client Sample ID: SB-122-2 (0-1) (102617)
Lab Sample ID: 680-144854-9
Date Collected: 10/26/17 12:40
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-122-2 (0-1) (102617)
Lab Sample ID: 680-144854-9
Date Collected: 10/26/17 12:40
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.29 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500970	11/01/17 21:58	JCK	TAL SAV
Total/NA	Prep	3546			15.29 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		5			501067	11/02/17 18:07	JCK	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-122-3 (0-1) (102617)

Lab Sample ID: 680-144854-10
Date Collected: 10/26/17 12:50
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-122-3 (0-1) (102617)

Lab Sample ID: 680-144854-10
Date Collected: 10/26/17 12:50
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.55 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500970	11/01/17 22:12	JCK	TAL SAV

Client Sample ID: SB-122-4 (0-1) (102617)

Lab Sample ID: 680-144854-11
Date Collected: 10/26/17 13:00
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-122-4 (0-1) (102617)

Lab Sample ID: 680-144854-11
Date Collected: 10/26/17 13:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.88 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500970	11/01/17 22:26	JCK	TAL SAV

Client Sample ID: SB-204-1 (0-2) (102617)

Lab Sample ID: 680-144854-12
Date Collected: 10/26/17 15:00
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-204-1 (0-2) (102617)

Lab Sample ID: 680-144854-12
Date Collected: 10/26/17 15:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.66 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500970	11/01/17 22:40	JCK	TAL SAV
Total/NA	Prep	3546			15.66 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		5			501067	11/02/17 14:50	JCK	TAL SAV

Client Sample ID: SB-204-2 (0-2) (102617) — Lab Sample ID: 680-144854-13

Date Collected: 10/26/17 15:10 — **Matrix: Solid**
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-204-2 (0-2) (102617) — Lab Sample ID: 680-144854-13

Date Collected: 10/26/17 15:10 — **Matrix: Solid**
Date Received: 10/27/17 13:50 — **Percent Solids: 86.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.18 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500970	11/01/17 22:55	JCK	TAL SAV
Total/NA	Prep	3546			15.18 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		10			501067	11/02/17 15:04	JCK	TAL SAV

Client Sample ID: SB-204-3 (0-2) (102617) — Lab Sample ID: 680-144854-14

Date Collected: 10/26/17 15:20 — **Matrix: Solid**
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: SB-204-3 (0-2) (102617) — Lab Sample ID: 680-144854-14

Date Collected: 10/26/17 15:20 — **Matrix: Solid**
Date Received: 10/27/17 13:50 — **Percent Solids: 79.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.32 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500970	11/01/17 23:09	JCK	TAL SAV

Client Sample ID: SB-207-1 (0-2) (102617) — Lab Sample ID: 680-144854-15

Date Collected: 10/26/17 15:30 — **Matrix: Solid**
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			192398	11/01/17 15:53	TCS	TAL SAC

Client Sample ID: SB-207-2 (0-2) (102617) — Lab Sample ID: 680-144854-16

Date Collected: 10/26/17 15:40 — **Matrix: Solid**
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			192398	11/01/17 15:53	TCS	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Client Sample ID: SB-207-3 (0-2) (102617)

Lab Sample ID: 680-144854-17

Date Collected: 10/26/17 15:50
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216		1			192398	11/01/17 15:53	TCS	TAL SAC

Client Sample ID: EB-3 (102617)

Lab Sample ID: 680-144854-18

Date Collected: 10/26/17 16:15
Matrix: Water
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1029.1 mL	1 mL	500722	10/31/17 15:29	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			501424	11/06/17 14:33	UI	TAL SAV

Client Sample ID: IDW-SOIL (102717)

Lab Sample ID: 680-144854-19

Date Collected: 10/26/17 13:00
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			100.04 g	2000 mL	500690	10/31/17 17:40	EAB	TAL SAV
TCLP	Prep	3520C			200.7 mL	1 mL	500844	11/01/17 16:06	CEW	TAL SAV
TCLP	Analysis	8270D		1			501195	11/03/17 19:31	DBM	TAL SAV
Total/NA	Analysis	Moisture		1			500675	10/31/17 09:06	EAB	TAL SAV

Client Sample ID: IDW-SOIL (102717)

Lab Sample ID: 680-144854-19

Date Collected: 10/26/17 13:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.69 g	10 mL	500843	11/01/17 11:52	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			500970	11/01/17 23:23	JCK	TAL SAV

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204787

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact			
Company Name: Arcadis	Project Manager: Andy Davis	Site Contact:	Date: 10/27/17
Address: 10 Patewood Dr, Ste 375	Tel/Fax: Andrew.Davis@arcadis.com	Lab Contact: J. LANIER	Carrier:
City/State/Zip: Greenville, SC, 29615	Analysis Turnaround Time		
Phone: (864) 987-3900	☐ CALENDAR DAYS ☐ WORKING DAYS		
Fax:	TAT if different from Below STANDARD		
Project Name: Ashland	☐ 2 weeks		
Site: Savannah, GA	☐ 1 week		
P O #	☐ 2 days		
	☐ 1 day		

COC No: ____ of ____ COCs
Sampler: M. CREEL / B. MATEUX
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1,4-Biphenyl 8270D	PCB 8081B / 8082A	TEQ 1613C / 8290A	Sample Specific Notes:
SB-142-1 (01) (102617)	10/26/17	0830	G	So	1			✓			
SB-142-2 (0-1) (102617)	10/26/17	0840	G	So	1			✓			
SB-142-3 (0-1) (102617)	10/26/17	0850	G	So	1			✓			
EX-26-1 (0-2) (102617)	10/26/17	1000	G	So	1			✓			
EX-26-2 (0-2) (102617)	10/26/17	1010	G	So	1			✓			
EX-26-3 (0-2) (102617)	10/26/17	1020	G	So	1			✓			
Dup-2 (102617)	10/26/17	—	G	So	1			✓			Duplicate
SB-122-1 (0-1) (102617)	10/26/17	1230	G	So	1				✓		
SB-122-2 (0-1) (102617)	10/26/17	1240	G	So	1				✓		
SB-122-3 (0-1) (102617)	10/26/17	1250	G	So	1				✓		
SB-122-4 (0-1) (102617)	10/26/17	1300	G	So	1				✓		
SB-204-1 (0-2) (102617)	10/26/17	1500	G	So	6		Y		✓	✓	MS/MSD

680-144854 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ | Therm ID No.: ____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ARCADIS	10/27/17 1350			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TASAV	Date/Time: 10/27/17 1350

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204793

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: SEE PAGE	Site Contact:	Date: 10/27/17	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	____ of ____ COCs
Address:	Analysis Turnaround Time			Sampler: M. CROSS / B. MATRUX
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PCB 8082B/8082A	TEQ 1668C/8290A	1,1-Biphenyl 8270D	TCLP SVOCs	TCLP PCBs	*Total PCBs*	Sample Specific Notes:
SB-204-2(0-2)(102617)	10/26/17	1510	G	So	2			✓	✓					*Confirmed analysis w/ A. Davis as total PCBs 10/30/17 AD Rapp
SB-204-3 (0-2)(102617)	10/26/17	1520	G	So	2			✓	✓					
SB-207-1 (0-2)(102617)	10/26/17	1530	G	So	1				✓					
SB-207-2 (0-2)(102617)	10/26/17	1540	G	So	1				✓					
SB-207-3 (0-2)(102617)	10/26/17	1550	G	So	1				✓					
EB-3 (102617)	10/26/17	1615	G	WT	2					✓				
IDW-SOIL (102717)	10/27/17	1300	C	So	2						✓	✓		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company: ARCADIS	Date/Time: 10/27/17 1350	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: MJK	Company: TA SAV	Date/Time: 10/27/17 1350

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-496093.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-144854-1
Address: 880 Riverside Parkway,	Due Date Requested: 11/14/2017			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sox_P Full List (209 Comb/Coel)	Total_PCB_Cong	8290A/8290_P_Sox 17 Isomers & Totals	Total_TEQ	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
SB-204-1 (0-2) (102617) (680-144854-12)	10/26/17	15:00 Eastern		Solid			X	X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-1 (0-2) (102617) (680-144854-12MS)	10/26/17	15:00 Eastern	MS	Solid			X	X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-1 (0-2) (102617) (680-144854-12MSD)	10/26/17	15:00 Eastern	MSD	Solid			X	X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-2 (0-2) (102617) (680-144854-13)	10/26/17	15:10 Eastern		Solid			X	X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-3 (0-2) (102617) (680-144854-14)	10/26/17	15:20 Eastern		Solid			X	X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware
SB-207-1 (0-2) (102617) (680-144854-15)	10/26/17	15:30 Eastern		Solid			X	X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware
SB-207-2 (0-2) (102617) (680-144854-16)	10/26/17	15:40 Eastern		Solid			X	X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware
SB-207-3 (0-2) (102617) (680-144854-17)	10/26/17	15:50 Eastern		Solid			X	X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*		***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)	Primary Deliverable Rank: 2	Special Instructions/QC Requirements:	
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[illegible]	10/30/17 1800	[illegible]	[illegible]	10/31/17 930	TAWS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
Δ Yes Δ No		3.8°C

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-144854-1

Login Number: 144854

List Source: TestAmerica Savannah

List Number: 1

Creator: Flanagan, Naomi V

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-144854-1

Login Number: 144854
List Number: 2
Creator: Her, David A

List Source: TestAmerica Sacramento
List Creation: 11/01/17 10:36 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	414713
Sample custody seals, if present, are intact.	N/A	
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	3.8 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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17 *
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-17 *
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-17
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-17
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-17 *
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-17 *
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-1

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	UST-055	12-18-17
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-18
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-18
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	10-31-17 *
L-A-B	DoD ELAP		L2468	01-20-18
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-18-18
Michigan	State Program	5	9947	01-31-18
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-28-18
Pennsylvania	NELAP	3	68-01272	03-31-18
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-17
Wyoming	State Program	8	8TMS-L	01-28-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
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TestAmerica Job ID: 680-144854-2
Client Project/Site: Savannah Resins Plant

For:
ARCADIS U.S., Inc.
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Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
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Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Savannah Resins Plant

Report Number: 680-144854-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 10/27/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.8 C.

CHLORINATED BIPHENYL CONGENERS
Samples SB-204-1 (0-2) (102617) (680-144854-12), SB-204-2 (0-2) (102617) (680-144854-13), SB-204-3 (0-2) (102617) (680-144854-14), SB-207-1 (0-2) (102617) (680-144854-15), SB-207-2 (0-2) (102617) (680-144854-16) and SB-207-3 (0-2) (102617) (680-144854-17) were analyzed for chlorinated biphenyl congeners in accordance with epa method 1668C. The samples were prepared on 11/02/2017 and analyzed on 11/21/2017, 11/28/2017 and 11/29/2017.

The method blank for 320-192576 contained PCB-118 above the reporting limit (RL). Associated samples were not re-extracted and because results were greater than 10X the value found in the method blank.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-204-1 (0-2) (102617) (680-144854-12) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-204-1 (0-2) (102617) (680-144854-12), SB-204-1 (0-2) (102617) (680-144854-12[MS]), SB-204-1 (0-2) (102617) (680-144854-12[MSD]), SB-204-2 (0-2) (102617) (680-144854-13), SB-204-3 (0-2) (102617) (680-144854-14), SB-207-1 (0-2) (102617) (680-144854-15), SB-207-2 (0-2) (102617) (680-144854-16) and SB-207-3 (0-2) (102617) (680-144854-17) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The concentration of one or more analytes associated with the following sample exceeded the instrument calibration range: SB-204-1 (0-2) (102617) (680-144854-12). These analytes have been qualified; however, the peak(s) did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

The concentration of one or more analytes associated with the following samples exceeded the instrument calibration range: SB-204-1 (0-2) (102617) (680-144854-12), SB-204-1 (0-2) (102617) (680-144854-12[MS]), SB-204-1 (0-2) (102617) (680-144854-12[MSD]), SB-204-2 (0-2) (102617) (680-144854-13), SB-204-3 (0-2) (102617) (680-144854-14), SB-207-2 (0-2) (102617) (680-144854-16) and SB-207-3 (0-2) (102617) (680-144854-17). These analytes have been qualified; however, the peak(s) did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range

The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for 320-192576 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recoveries were within

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Laboratory: TestAmerica Savannah (Continued)

acceptance limits.

There are one or more Ion abundance ratios outside criteria for the Isotope Dilution Analytes (IDA) associated with the following samples: SB-204-1 (0-2) (102617) (680-144854-12), SB-204-1 (0-2) (102617) (680-144854-12[MS]) and SB-204-1 (0-2) (102617) (680-144854-12[MSD]). The theoretical area for the IDA was used to quantitate recovery and target concentration.

Several analytes failed the recovery criteria low for the MS/MSD of sample SB-204-1 (0-2) (102617) (680-144854-12) in batch 320-197081. Several analytes exceeded the RPD limit.

The presence of the '4' qualifier indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples SB-204-1 (0-2) (102617) (680-144854-12)[20X], SB-204-2 (0-2) (102617) (680-144854-13)[20X], SB-204-3 (0-2) (102617) (680-144854-14)[20X], SB-207-1 (0-2) (102617) (680-144854-15)[5X], SB-207-2 (0-2) (102617) (680-144854-16)[5X] and SB-207-3 (0-2) (102617) (680-144854-17)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS

Samples SB-204-1 (0-2) (102617) (680-144854-12), SB-204-2 (0-2) (102617) (680-144854-13), SB-204-3 (0-2) (102617) (680-144854-14), SB-207-1 (0-2) (102617) (680-144854-15), SB-207-2 (0-2) (102617) (680-144854-16) and SB-207-3 (0-2) (102617) (680-144854-17) were analyzed for dioxins and furans in accordance with EPA Method 8290A. The samples were prepared on 11/02/2017 and analyzed on 11/15/2017, 11/16/2017 and 11/17/2017.
Method(s) 8290A: The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-204-3 (0-2) (102617) (680-144854-14) and SB-207-2 (0-2) (102617) (680-144854-16) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The concentration of one or more analytes associated with the following sample exceeded the instrument calibration range: SB-207-2 (0-2) (102617) (680-144854-16). These analytes have been qualified; however, the peaks did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

The Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: SB-204-3 (0-2) (102617) (680-144854-14). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample(s). All detection limits are below the lower calibration.

The Isotope Dilution Analyte (IDA) 13C-2,3,7,8-TCDF recovery associated with the following sample is below the method recommended limit: SB-204-3 (0-2) (102617) (680-144854-14). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-204-3 (0-2) (102617) (680-144854-14) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-204-1 (0-2) (102617) (680-144854-12), SB-204-1 (0-2) (102617) (680-144854-12[MS]) and SB-204-2 (0-2) (102617) (680-144854-13) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 320-192583 and analytical batch 320-195126 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) 13C-1,2,3,4,6,7,8-HpCDD associated with the following

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Laboratory: TestAmerica Savannah (Continued)

samples: SB-204-1 (0-2) (102617) (680-144854-12[MS]) and SB-204-1 (0-2) (102617) (680-144854-12[MSD]). The theoretical area for the IDA was used to quantitate recovery and target concentration.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED BIPHENYL CONGENERS

Samples SB-204-1 (0-2) (102617) (680-144854-12), SB-204-2 (0-2) (102617) (680-144854-13), SB-204-3 (0-2) (102617) (680-144854-14), SB-207-1 (0-2) (102617) (680-144854-15), SB-207-2 (0-2) (102617) (680-144854-16) and SB-207-3 (0-2) (102617) (680-144854-17) were analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were analyzed on 12/08/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-144854-12	SB-204-1 (0-2) (102617)	Solid	10/26/17 15:00	10/27/17 13:50
680-144854-13	SB-204-2 (0-2) (102617)	Solid	10/26/17 15:10	10/27/17 13:50
680-144854-14	SB-204-3 (0-2) (102617)	Solid	10/26/17 15:20	10/27/17 13:50
680-144854-15	SB-207-1 (0-2) (102617)	Solid	10/26/17 15:30	10/27/17 13:50
680-144854-16	SB-207-2 (0-2) (102617)	Solid	10/26/17 15:40	10/27/17 13:50
680-144854-17	SB-207-3 (0-2) (102617)	Solid	10/26/17 15:50	10/27/17 13:50

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Method	Method Description	Protocol	Laboratory
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	TAL SAC
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
None	Total PCB Calculation from HRMS PCB-Congeners	TAL SOP	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Qualifiers

Dioxin

Qualifier	Qualifier Description
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
*	Isotope Dilution analyte is outside acceptance 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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-204-1 (0-2) (102617) — Lab Sample ID: 680-144854-12

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.000029		0.000024	0.00000052	mg/Kg	1	☼	1668C	Total/NA
PCB-2	0.0000040	J q	0.000024	0.00000041	mg/Kg	1	☼	1668C	Total/NA
PCB-3	0.000013	J	0.000024	0.00000043	mg/Kg	1	☼	1668C	Total/NA
PCB-4	0.000097		0.000024	0.000013	mg/Kg	1	☼	1668C	Total/NA
PCB-5	0.000024		0.000024	0.0000037	mg/Kg	1	☼	1668C	Total/NA
PCB-6	0.000046		0.000024	0.0000039	mg/Kg	1	☼	1668C	Total/NA
PCB-8	0.00022		0.000024	0.0000038	mg/Kg	1	☼	1668C	Total/NA
PCB-9	0.000015	J	0.000024	0.0000039	mg/Kg	1	☼	1668C	Total/NA
PCB-11	0.0000061	J	0.000024	0.0000037	mg/Kg	1	☼	1668C	Total/NA
PCB-12/13	0.000020	J q	0.000047	0.0000037	mg/Kg	1	☼	1668C	Total/NA
PCB-15	0.000086		0.000024	0.0000036	mg/Kg	1	☼	1668C	Total/NA
PCB-16	0.00031		0.000024	0.0000014	mg/Kg	1	☼	1668C	Total/NA
PCB-17	0.00027		0.000024	0.0000011	mg/Kg	1	☼	1668C	Total/NA
PCB-18/30	0.00077	B	0.000047	0.00000093	mg/Kg	1	☼	1668C	Total/NA
PCB-19	0.000080		0.000024	0.0000013	mg/Kg	1	☼	1668C	Total/NA
PCB-20/28	0.0012	B	0.000047	0.000021	mg/Kg	1	☼	1668C	Total/NA
PCB-21/33	0.0015	B	0.000047	0.000020	mg/Kg	1	☼	1668C	Total/NA
PCB-22	0.00038		0.000024	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-24	0.000011	J	0.000024	0.00000085	mg/Kg	1	☼	1668C	Total/NA
PCB-25	0.000092		0.000024	0.000020	mg/Kg	1	☼	1668C	Total/NA
PCB-26/29	0.00018		0.000047	0.000020	mg/Kg	1	☼	1668C	Total/NA
PCB-27	0.000042		0.000024	0.00000081	mg/Kg	1	☼	1668C	Total/NA
PCB-31	0.0015	B	0.000024	0.000019	mg/Kg	1	☼	1668C	Total/NA
PCB-32	0.00022		0.000024	0.00000077	mg/Kg	1	☼	1668C	Total/NA
PCB-35	0.000028		0.000024	0.000021	mg/Kg	1	☼	1668C	Total/NA
PCB-37	0.00050	F1	0.000024	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-40/71	0.0031	B	0.000047	0.000026	mg/Kg	1	☼	1668C	Total/NA
PCB-41	0.00029	G	0.000030	0.000030	mg/Kg	1	☼	1668C	Total/NA
PCB-42	0.0016	G B	0.000028	0.000028	mg/Kg	1	☼	1668C	Total/NA
PCB-43	0.00021	q G	0.000031	0.000031	mg/Kg	1	☼	1668C	Total/NA
PCB-44/47/65	0.018	E B	0.000071	0.000024	mg/Kg	1	☼	1668C	Total/NA
PCB-45	0.00043	G	0.000029	0.000029	mg/Kg	1	☼	1668C	Total/NA
PCB-46	0.00022	G	0.000030	0.000030	mg/Kg	1	☼	1668C	Total/NA
PCB-48	0.00098	G B	0.000026	0.000026	mg/Kg	1	☼	1668C	Total/NA
PCB-49/69	0.0099	E B	0.000047	0.000021	mg/Kg	1	☼	1668C	Total/NA
PCB-50/53	0.00097	B	0.000047	0.000024	mg/Kg	1	☼	1668C	Total/NA
PCB-51	0.00016		0.000024	0.000024	mg/Kg	1	☼	1668C	Total/NA
PCB-54	0.0000065	J	0.000024	0.00000036	mg/Kg	1	☼	1668C	Total/NA
PCB-56	0.0049	E G	0.00023	0.00023	mg/Kg	1	☼	1668C	Total/NA
PCB-59/62/75	0.00045		0.000071	0.000019	mg/Kg	1	☼	1668C	Total/NA
PCB-60	0.0020	G	0.00022	0.00022	mg/Kg	1	☼	1668C	Total/NA
PCB-61/70/74/76	0.047	E G B	0.00021	0.00021	mg/Kg	1	☼	1668C	Total/NA
PCB-63	0.00049	G	0.00020	0.00020	mg/Kg	1	☼	1668C	Total/NA
PCB-64	0.0056	E B	0.000024	0.000018	mg/Kg	1	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-1 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-12

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-66	0.015	E G B	0.00022	0.00022	mg/Kg	1	☼	1668C	Total/NA
PCB-77	0.0019	G	0.00021	0.00021	mg/Kg	1	☼	1668C	Total/NA
PCB-78	0.00047	q G	0.00022	0.00022	mg/Kg	1	☼	1668C	Total/NA
PCB-79	0.00097	G	0.00020	0.00020	mg/Kg	1	☼	1668C	Total/NA
PCB-80	0.00063	G	0.00019	0.00019	mg/Kg	1	☼	1668C	Total/NA
PCB-82	0.013	E G	0.0014	0.0014	mg/Kg	1	☼	1668C	Total/NA
PCB-84	0.027	E G B	0.0013	0.0013	mg/Kg	1	☼	1668C	Total/NA
PCB-85/116/117	0.020	E G	0.00095	0.00095	mg/Kg	1	☼	1668C	Total/NA
PCB-88/91	0.012	E G	0.0011	0.0011	mg/Kg	1	☼	1668C	Total/NA
PCB-92	0.021	E G B	0.0012	0.0012	mg/Kg	1	☼	1668C	Total/NA
PCB-107/124	0.0059	E G	0.00088	0.00088	mg/Kg	1	☼	1668C	Total/NA
PCB-96	0.00041		0.000024	0.00000084	mg/Kg	1	☼	1668C	Total/NA
PCB-98/102	0.0014	q G	0.0011	0.0011	mg/Kg	1	☼	1668C	Total/NA
PCB-99	0.046	E G B	0.00093	0.00093	mg/Kg	1	☼	1668C	Total/NA
PCB-104	0.0000048	J	0.000024	0.0000010	mg/Kg	1	☼	1668C	Total/NA
PCB-109	0.0095	E G	0.00082	0.00082	mg/Kg	1	☼	1668C	Total/NA
PCB-114	0.0035	E G	0.00086	0.00086	mg/Kg	1	☼	1668C	Total/NA
PCB-122	0.0012	G	0.00095	0.00095	mg/Kg	1	☼	1668C	Total/NA
PCB-123	0.0020	G	0.00086	0.00086	mg/Kg	1	☼	1668C	Total/NA
PCB-128/166	0.026	E G B	0.00022	0.00022	mg/Kg	1	☼	1668C	Total/NA
PCB-130	0.0099	E G	0.00029	0.00029	mg/Kg	1	☼	1668C	Total/NA
PCB-131	0.0020	G	0.00026	0.00026	mg/Kg	1	☼	1668C	Total/NA
PCB-132	0.041	E G B	0.00026	0.00026	mg/Kg	1	☼	1668C	Total/NA
PCB-133	0.0016	G	0.00026	0.00026	mg/Kg	1	☼	1668C	Total/NA
PCB-134/143	0.0071	E G	0.00027	0.00027	mg/Kg	1	☼	1668C	Total/NA
PCB-135/151	0.028	E G B	0.00024	0.00024	mg/Kg	1	☼	1668C	Total/NA
PCB-136	0.011	E G B	0.00018	0.00018	mg/Kg	1	☼	1668C	Total/NA
PCB-137	0.0079	E G	0.00022	0.00022	mg/Kg	1	☼	1668C	Total/NA
PCB-139/140	0.0025	G	0.00023	0.00023	mg/Kg	1	☼	1668C	Total/NA
PCB-141	0.021	E G B	0.00026	0.00026	mg/Kg	1	☼	1668C	Total/NA
PCB-144	0.0044	E G	0.00024	0.00024	mg/Kg	1	☼	1668C	Total/NA
PCB-146	0.014	E G	0.00022	0.00022	mg/Kg	1	☼	1668C	Total/NA
PCB-156/157	0.022	E G B F2	0.00019	0.00019	mg/Kg	1	☼	1668C	Total/NA
PCB-158	0.016	E G B	0.00018	0.00018	mg/Kg	1	☼	1668C	Total/NA
PCB-159	0.00034	G	0.00013	0.00013	mg/Kg	1	☼	1668C	Total/NA
PCB-162	0.00052	G	0.00013	0.00013	mg/Kg	1	☼	1668C	Total/NA
PCB-164	0.0097	E G	0.00021	0.00021	mg/Kg	1	☼	1668C	Total/NA
PCB-167	0.0065	E G F2	0.00012	0.00012	mg/Kg	1	☼	1668C	Total/NA
PCB-170	0.015	E G B	0.000028	0.000028	mg/Kg	1	☼	1668C	Total/NA
PCB-171/173	0.0050	E	0.000047	0.000029	mg/Kg	1	☼	1668C	Total/NA
PCB-172	0.0023	G	0.000028	0.000028	mg/Kg	1	☼	1668C	Total/NA
PCB-174	0.014	E G B	0.000031	0.000031	mg/Kg	1	☼	1668C	Total/NA
PCB-175	0.00057		0.000024	0.0000055	mg/Kg	1	☼	1668C	Total/NA
PCB-176	0.0015		0.000024	0.0000040	mg/Kg	1	☼	1668C	Total/NA
PCB-177	0.0074	E G	0.000028	0.000028	mg/Kg	1	☼	1668C	Total/NA
PCB-178	0.0022		0.000024	0.0000058	mg/Kg	1	☼	1668C	Total/NA
PCB-179	0.0043	E	0.000024	0.0000042	mg/Kg	1	☼	1668C	Total/NA
PCB-180/193	0.027	E B	0.000047	0.000023	mg/Kg	1	☼	1668C	Total/NA
PCB-181	0.00028	G	0.000025	0.000025	mg/Kg	1	☼	1668C	Total/NA
PCB-182	0.000093		0.000024	0.0000052	mg/Kg	1	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-1 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-12

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-183	0.0067	E B	0.000024	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-185	0.0011	G	0.000027	0.000027	mg/Kg	1	☼	1668C	Total/NA
PCB-187	0.013	E B	0.000024	0.0000052	mg/Kg	1	☼	1668C	Total/NA
PCB-189	0.00053	q F1	0.0000024	0.0000017	mg/Kg	1	☼	1668C	Total/NA
PCB-190	0.0027	E B	0.000024	0.000020	mg/Kg	1	☼	1668C	Total/NA
PCB-191	0.00059		0.000024	0.000021	mg/Kg	1	☼	1668C	Total/NA
PCB-194	0.0043	E B	0.000024	0.0000018	mg/Kg	1	☼	1668C	Total/NA
PCB-195	0.0018		0.000024	0.0000019	mg/Kg	1	☼	1668C	Total/NA
PCB-196	0.0025	E	0.000024	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-197	0.00018		0.000024	0.000016	mg/Kg	1	☼	1668C	Total/NA
PCB-198/199	0.0056	E	0.000047	0.000024	mg/Kg	1	☼	1668C	Total/NA
PCB-200	0.00082		0.000024	0.000019	mg/Kg	1	☼	1668C	Total/NA
PCB-201	0.00070		0.000024	0.000017	mg/Kg	1	☼	1668C	Total/NA
PCB-202	0.0011		0.000024	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-203	0.0036	E	0.000024	0.000022	mg/Kg	1	☼	1668C	Total/NA
PCB-205	0.00023	F1	0.000024	0.0000013	mg/Kg	1	☼	1668C	Total/NA
PCB-206	0.0025	E F2	0.000024	0.0000011	mg/Kg	1	☼	1668C	Total/NA
PCB-207	0.00033		0.000024	0.00000081	mg/Kg	1	☼	1668C	Total/NA
PCB-208	0.00060	F1	0.000024	0.00000090	mg/Kg	1	☼	1668C	Total/NA
PCB-209	0.00024	B F1	0.000024	0.00000026	mg/Kg	1	☼	1668C	Total/NA
PCB-52 - DL	0.052	E B	0.00047	0.000050	mg/Kg	20	☼	1668C	Total/NA
PCB-86/87/97/108/119/125 - DL	0.084	B	0.0028	0.0012	mg/Kg	20	☼	1668C	Total/NA
PCB-90/101/113 - DL	0.12	B	0.0014	0.0012	mg/Kg	20	☼	1668C	Total/NA
PCB-95 - DL	0.081	E G B	0.0013	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-105 - DL	0.056	E G B F2	0.0011	0.0011	mg/Kg	20	☼	1668C	Total/NA
PCB-110/115 - DL	0.15	E G B	0.0010	0.0010	mg/Kg	20	☼	1668C	Total/NA
PCB-118 - DL	0.13	E G B F2	0.00098	0.00098	mg/Kg	20	☼	1668C	Total/NA
PCB-129/138/163 - DL	0.15	E B	0.0014	0.00051	mg/Kg	20	☼	1668C	Total/NA
PCB-147/149 - DL	0.077	B	0.00095	0.00053	mg/Kg	20	☼	1668C	Total/NA
PCB-153/168 - DL	0.091	B	0.00095	0.00045	mg/Kg	20	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	1.6		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: SB-204-2 (0-2) (102617) — Lab Sample ID: 680-144854-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.00022	J	0.00047	0.0000021	mg/Kg	20	☼	1668C	Total/NA
PCB-2	0.000029	J	0.00047	0.0000017	mg/Kg	20	☼	1668C	Total/NA
PCB-3	0.000096	J	0.00047	0.0000019	mg/Kg	20	☼	1668C	Total/NA
PCB-4	0.00019	J	0.00047	0.000019	mg/Kg	20	☼	1668C	Total/NA
PCB-5	0.000023	J	0.00047	0.000016	mg/Kg	20	☼	1668C	Total/NA
PCB-6	0.000082	J	0.00047	0.000017	mg/Kg	20	☼	1668C	Total/NA
PCB-7	0.000025	J	0.00047	0.000016	mg/Kg	20	☼	1668C	Total/NA
PCB-8	0.00046	J	0.00047	0.000017	mg/Kg	20	☼	1668C	Total/NA
PCB-9	0.000031	J	0.00047	0.000017	mg/Kg	20	☼	1668C	Total/NA
PCB-12/13	0.000052	J	0.00093	0.000016	mg/Kg	20	☼	1668C	Total/NA
PCB-15	0.00015	J	0.00047	0.000017	mg/Kg	20	☼	1668C	Total/NA
PCB-16	0.00021	J	0.00047	0.0000054	mg/Kg	20	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-2 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-17	0.00053		0.00047	0.0000040	mg/Kg	20	☼	1668C	Total/NA
PCB-18/30	0.00052	J B	0.00093	0.0000036	mg/Kg	20	☼	1668C	Total/NA
PCB-19	0.00011	J	0.00047	0.0000049	mg/Kg	20	☼	1668C	Total/NA
PCB-20/28	0.0018	B	0.00093	0.000024	mg/Kg	20	☼	1668C	Total/NA
PCB-21/33	0.0011	B	0.00093	0.000023	mg/Kg	20	☼	1668C	Total/NA
PCB-22	0.00026	J	0.00047	0.000025	mg/Kg	20	☼	1668C	Total/NA
PCB-24	0.0000036	J	0.00047	0.0000032	mg/Kg	20	☼	1668C	Total/NA
PCB-25	0.00012	J	0.00047	0.000023	mg/Kg	20	☼	1668C	Total/NA
PCB-26/29	0.00013	J	0.00093	0.000023	mg/Kg	20	☼	1668C	Total/NA
PCB-27	0.000046	J	0.00047	0.0000031	mg/Kg	20	☼	1668C	Total/NA
PCB-31	0.0010	B	0.00047	0.000022	mg/Kg	20	☼	1668C	Total/NA
PCB-32	0.00075		0.00047	0.0000029	mg/Kg	20	☼	1668C	Total/NA
PCB-34	0.000037	J	0.00047	0.000024	mg/Kg	20	☼	1668C	Total/NA
PCB-35	0.000036	J	0.00047	0.000024	mg/Kg	20	☼	1668C	Total/NA
PCB-37	0.00038	J	0.00047	0.000025	mg/Kg	20	☼	1668C	Total/NA
PCB-40/71	0.0054	B	0.00093	0.000037	mg/Kg	20	☼	1668C	Total/NA
PCB-41	0.000068	J	0.00047	0.000044	mg/Kg	20	☼	1668C	Total/NA
PCB-42	0.0022	B	0.00047	0.000041	mg/Kg	20	☼	1668C	Total/NA
PCB-43	0.00013	J	0.00047	0.000045	mg/Kg	20	☼	1668C	Total/NA
PCB-44/47/65	0.021	B	0.0014	0.000035	mg/Kg	20	☼	1668C	Total/NA
PCB-46	0.00052		0.00047	0.000044	mg/Kg	20	☼	1668C	Total/NA
PCB-48	0.00043	J B	0.00047	0.000037	mg/Kg	20	☼	1668C	Total/NA
PCB-49/69	0.014	B	0.00093	0.000031	mg/Kg	20	☼	1668C	Total/NA
PCB-50/53	0.0033	B	0.00093	0.000036	mg/Kg	20	☼	1668C	Total/NA
PCB-51	0.0023		0.00047	0.000035	mg/Kg	20	☼	1668C	Total/NA
PCB-52	0.039	B	0.00047	0.000038	mg/Kg	20	☼	1668C	Total/NA
PCB-54	0.00011	J	0.00047	0.0000015	mg/Kg	20	☼	1668C	Total/NA
PCB-56	0.0029		0.00047	0.00018	mg/Kg	20	☼	1668C	Total/NA
PCB-59/62/75	0.00049	J	0.0014	0.000027	mg/Kg	20	☼	1668C	Total/NA
PCB-60	0.0010		0.00047	0.00017	mg/Kg	20	☼	1668C	Total/NA
PCB-61/70/74/76	0.033	B	0.0019	0.00017	mg/Kg	20	☼	1668C	Total/NA
PCB-63	0.00043	J	0.00047	0.00015	mg/Kg	20	☼	1668C	Total/NA
PCB-64	0.0042	B	0.00047	0.000026	mg/Kg	20	☼	1668C	Total/NA
PCB-66	0.016	B	0.00047	0.00017	mg/Kg	20	☼	1668C	Total/NA
PCB-68	0.00030	J	0.00047	0.00015	mg/Kg	20	☼	1668C	Total/NA
PCB-72	0.00039	J	0.00047	0.00016	mg/Kg	20	☼	1668C	Total/NA
PCB-73	0.000091	J	0.00047	0.000028	mg/Kg	20	☼	1668C	Total/NA
PCB-77	0.0014	G	0.00018	0.00018	mg/Kg	20	☼	1668C	Total/NA
PCB-79	0.00064		0.00047	0.00015	mg/Kg	20	☼	1668C	Total/NA
PCB-82	0.0084	G	0.0012	0.0012	mg/Kg	20	☼	1668C	Total/NA
PCB-84	0.019	G B	0.0011	0.0011	mg/Kg	20	☼	1668C	Total/NA
PCB-85/116/117	0.014		0.0014	0.00082	mg/Kg	20	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.058	B	0.0028	0.00086	mg/Kg	20	☼	1668C	Total/NA
PCB-88/91	0.011	G	0.00095	0.00095	mg/Kg	20	☼	1668C	Total/NA
PCB-90/101/113	0.087	B	0.0014	0.00087	mg/Kg	20	☼	1668C	Total/NA
PCB-92	0.017	G B	0.0010	0.0010	mg/Kg	20	☼	1668C	Total/NA
PCB-107/124	0.0039		0.00093	0.00076	mg/Kg	20	☼	1668C	Total/NA
PCB-95	0.058	E G B	0.00094	0.00094	mg/Kg	20	☼	1668C	Total/NA
PCB-96	0.00050		0.00047	0.0000018	mg/Kg	20	☼	1668C	Total/NA
PCB-98/102	0.0012		0.00093	0.00092	mg/Kg	20	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-2 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-99	0.036	G B	0.00080	0.00080	mg/Kg	20	☼	1668C	Total/NA
PCB-104	0.000021	J	0.00047	0.0000018	mg/Kg	20	☼	1668C	Total/NA
PCB-105	0.039	G B	0.00080	0.00080	mg/Kg	20	☼	1668C	Total/NA
PCB-110/115	0.11	E B	0.00093	0.00075	mg/Kg	20	☼	1668C	Total/NA
PCB-109	0.0070	G	0.00072	0.00072	mg/Kg	20	☼	1668C	Total/NA
PCB-114	0.0015	G	0.00081	0.00081	mg/Kg	20	☼	1668C	Total/NA
PCB-118	0.096	E G B	0.00072	0.00072	mg/Kg	20	☼	1668C	Total/NA
PCB-123	0.0013	G	0.00084	0.00084	mg/Kg	20	☼	1668C	Total/NA
PCB-128/166	0.020	B	0.00093	0.00036	mg/Kg	20	☼	1668C	Total/NA
PCB-129/138/163	0.11	B	0.0014	0.00038	mg/Kg	20	☼	1668C	Total/NA
PCB-130	0.0075	G	0.00048	0.00048	mg/Kg	20	☼	1668C	Total/NA
PCB-131	0.0012		0.00047	0.00044	mg/Kg	20	☼	1668C	Total/NA
PCB-132	0.031	B	0.00047	0.00044	mg/Kg	20	☼	1668C	Total/NA
PCB-133	0.0011		0.00047	0.00043	mg/Kg	20	☼	1668C	Total/NA
PCB-134/143	0.0048		0.00093	0.00045	mg/Kg	20	☼	1668C	Total/NA
PCB-135/151	0.019	B	0.00093	0.00041	mg/Kg	20	☼	1668C	Total/NA
PCB-136	0.0080	B	0.00047	0.00030	mg/Kg	20	☼	1668C	Total/NA
PCB-137	0.0057		0.00047	0.00036	mg/Kg	20	☼	1668C	Total/NA
PCB-139/140	0.0017		0.00093	0.00039	mg/Kg	20	☼	1668C	Total/NA
PCB-141	0.014	B	0.00047	0.00043	mg/Kg	20	☼	1668C	Total/NA
PCB-144	0.0027		0.00047	0.00039	mg/Kg	20	☼	1668C	Total/NA
PCB-146	0.011		0.00047	0.00037	mg/Kg	20	☼	1668C	Total/NA
PCB-147/149	0.055	B	0.00093	0.00039	mg/Kg	20	☼	1668C	Total/NA
PCB-153/168	0.065	B	0.00093	0.00033	mg/Kg	20	☼	1668C	Total/NA
PCB-154	0.00038	J	0.00047	0.00035	mg/Kg	20	☼	1668C	Total/NA
PCB-156/157	0.016	G B	0.00012	0.00012	mg/Kg	20	☼	1668C	Total/NA
PCB-158	0.011	B	0.00047	0.00030	mg/Kg	20	☼	1668C	Total/NA
PCB-159	0.00019	J	0.00047	0.000086	mg/Kg	20	☼	1668C	Total/NA
PCB-162	0.00033	J	0.00047	0.000083	mg/Kg	20	☼	1668C	Total/NA
PCB-164	0.0070		0.00047	0.00036	mg/Kg	20	☼	1668C	Total/NA
PCB-167	0.0046	G	0.000076	0.000076	mg/Kg	20	☼	1668C	Total/NA
PCB-170	0.010	B	0.00047	0.000014	mg/Kg	20	☼	1668C	Total/NA
PCB-171/173	0.0033		0.00093	0.000015	mg/Kg	20	☼	1668C	Total/NA
PCB-172	0.0015		0.00047	0.000014	mg/Kg	20	☼	1668C	Total/NA
PCB-174	0.0085	B	0.00047	0.000015	mg/Kg	20	☼	1668C	Total/NA
PCB-175	0.00034	J	0.00047	0.0000040	mg/Kg	20	☼	1668C	Total/NA
PCB-176	0.00086		0.00047	0.0000029	mg/Kg	20	☼	1668C	Total/NA
PCB-177	0.0049		0.00047	0.000014	mg/Kg	20	☼	1668C	Total/NA
PCB-178	0.0014		0.00047	0.0000042	mg/Kg	20	☼	1668C	Total/NA
PCB-179	0.0025		0.00047	0.0000031	mg/Kg	20	☼	1668C	Total/NA
PCB-180/193	0.016	B	0.00093	0.000012	mg/Kg	20	☼	1668C	Total/NA
PCB-181	0.00023	J	0.00047	0.000013	mg/Kg	20	☼	1668C	Total/NA
PCB-182	0.000078	J	0.00047	0.0000038	mg/Kg	20	☼	1668C	Total/NA
PCB-183	0.0039	B	0.00047	0.000011	mg/Kg	20	☼	1668C	Total/NA
PCB-185	0.00056		0.00047	0.000014	mg/Kg	20	☼	1668C	Total/NA
PCB-187	0.0075	B	0.00047	0.0000038	mg/Kg	20	☼	1668C	Total/NA
PCB-188	0.000013	J	0.00047	0.0000034	mg/Kg	20	☼	1668C	Total/NA
PCB-189	0.00045		0.000047	0.0000024	mg/Kg	20	☼	1668C	Total/NA
PCB-190	0.0018	B	0.00047	0.000010	mg/Kg	20	☼	1668C	Total/NA
PCB-191	0.00037	J	0.00047	0.000011	mg/Kg	20	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-2 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-13

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-194	0.0021	B	0.00047	0.0000022	mg/Kg	20	☼	1668C	Total/NA
PCB-195	0.00076		0.00047	0.0000024	mg/Kg	20	☼	1668C	Total/NA
PCB-196	0.0011		0.00047	0.0000073	mg/Kg	20	☼	1668C	Total/NA
PCB-197	0.000086	J	0.00047	0.0000051	mg/Kg	20	☼	1668C	Total/NA
PCB-198/199	0.0025		0.00093	0.0000078	mg/Kg	20	☼	1668C	Total/NA
PCB-200	0.00032	J	0.00047	0.0000062	mg/Kg	20	☼	1668C	Total/NA
PCB-201	0.00029	J	0.00047	0.0000056	mg/Kg	20	☼	1668C	Total/NA
PCB-202	0.00049		0.00047	0.0000067	mg/Kg	20	☼	1668C	Total/NA
PCB-203	0.0016		0.00047	0.0000073	mg/Kg	20	☼	1668C	Total/NA
PCB-205	0.00012	J	0.00047	0.0000017	mg/Kg	20	☼	1668C	Total/NA
PCB-206	0.0012		0.00047	0.0000057	mg/Kg	20	☼	1668C	Total/NA
PCB-207	0.00016	J	0.00047	0.0000045	mg/Kg	20	☼	1668C	Total/NA
PCB-208	0.00029	J	0.00047	0.0000055	mg/Kg	20	☼	1668C	Total/NA
PCB-209	0.00010	J B	0.00047	0.0000017	mg/Kg	20	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	1.2		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: SB-204-3 (0-2) (102617) — Lab Sample ID: 680-144854-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.000014	J	0.00050	0.0000017	mg/Kg	20	☼	1668C	Total/NA
PCB-2	0.0000039	J	0.00050	0.0000015	mg/Kg	20	☼	1668C	Total/NA
PCB-3	0.0000091	J	0.00050	0.0000018	mg/Kg	20	☼	1668C	Total/NA
PCB-4	0.000059	J	0.00050	0.000023	mg/Kg	20	☼	1668C	Total/NA
PCB-6	0.000031	J	0.00050	0.000019	mg/Kg	20	☼	1668C	Total/NA
PCB-8	0.00012	J	0.00050	0.000018	mg/Kg	20	☼	1668C	Total/NA
PCB-11	0.000055	J	0.00050	0.000018	mg/Kg	20	☼	1668C	Total/NA
PCB-15	0.00013	J	0.00050	0.000021	mg/Kg	20	☼	1668C	Total/NA
PCB-16	0.00021	J	0.00050	0.0000094	mg/Kg	20	☼	1668C	Total/NA
PCB-17	0.00020	J	0.00050	0.0000071	mg/Kg	20	☼	1668C	Total/NA
PCB-18/30	0.00057	J B	0.0010	0.0000062	mg/Kg	20	☼	1668C	Total/NA
PCB-19	0.000066	J	0.00050	0.0000071	mg/Kg	20	☼	1668C	Total/NA
PCB-20/28	0.00069	J B	0.0010	0.000022	mg/Kg	20	☼	1668C	Total/NA
PCB-21/33	0.00039	J B	0.0010	0.000020	mg/Kg	20	☼	1668C	Total/NA
PCB-22	0.00031	J	0.00050	0.000022	mg/Kg	20	☼	1668C	Total/NA
PCB-24	0.0000066	J	0.00050	0.0000057	mg/Kg	20	☼	1668C	Total/NA
PCB-25	0.000045	J	0.00050	0.000021	mg/Kg	20	☼	1668C	Total/NA
PCB-26/29	0.00016	J	0.0010	0.000021	mg/Kg	20	☼	1668C	Total/NA
PCB-27	0.000049	J	0.00050	0.0000054	mg/Kg	20	☼	1668C	Total/NA
PCB-31	0.0011	B	0.00050	0.000020	mg/Kg	20	☼	1668C	Total/NA
PCB-32	0.00020	J	0.00050	0.0000051	mg/Kg	20	☼	1668C	Total/NA
PCB-35	0.00012	J	0.00050	0.000022	mg/Kg	20	☼	1668C	Total/NA
PCB-37	0.00082		0.00050	0.000026	mg/Kg	20	☼	1668C	Total/NA
PCB-40/71	0.0043	B	0.0010	0.000062	mg/Kg	20	☼	1668C	Total/NA
PCB-41	0.00029	J	0.00050	0.000072	mg/Kg	20	☼	1668C	Total/NA
PCB-42	0.0019	B	0.00050	0.000067	mg/Kg	20	☼	1668C	Total/NA
PCB-43	0.00014	J	0.00050	0.000074	mg/Kg	20	☼	1668C	Total/NA
PCB-44/47/65	0.022	B	0.0015	0.000058	mg/Kg	20	☼	1668C	Total/NA
PCB-45	0.00059		0.00050	0.000070	mg/Kg	20	☼	1668C	Total/NA
PCB-46	0.00029	J	0.00050	0.000073	mg/Kg	20	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-3 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-48	0.0011	B	0.00050	0.000062	mg/Kg	20	☼	1668C	Total/NA
PCB-49/69	0.012	B	0.0010	0.000051	mg/Kg	20	☼	1668C	Total/NA
PCB-50/53	0.0014	B	0.0010	0.000059	mg/Kg	20	☼	1668C	Total/NA
PCB-51	0.00023	J	0.00050	0.000058	mg/Kg	20	☼	1668C	Total/NA
PCB-52	0.065	E B	0.00050	0.000062	mg/Kg	20	☼	1668C	Total/NA
PCB-54	0.000018	J	0.00050	0.0000027	mg/Kg	20	☼	1668C	Total/NA
PCB-56	0.0071		0.00050	0.00031	mg/Kg	20	☼	1668C	Total/NA
PCB-59/62/75	0.00056	J	0.0015	0.000045	mg/Kg	20	☼	1668C	Total/NA
PCB-60	0.0024		0.00050	0.00030	mg/Kg	20	☼	1668C	Total/NA
PCB-61/70/74/76	0.067	B	0.0020	0.00029	mg/Kg	20	☼	1668C	Total/NA
PCB-63	0.00060		0.00050	0.00027	mg/Kg	20	☼	1668C	Total/NA
PCB-64	0.0076	B	0.00050	0.000043	mg/Kg	20	☼	1668C	Total/NA
PCB-66	0.017	B	0.00050	0.00030	mg/Kg	20	☼	1668C	Total/NA
PCB-77	0.0074	G	0.00036	0.00036	mg/Kg	20	☼	1668C	Total/NA
PCB-79	0.0020		0.00050	0.00027	mg/Kg	20	☼	1668C	Total/NA
PCB-81	0.0027	G	0.00034	0.00034	mg/Kg	20	☼	1668C	Total/NA
PCB-82	0.025	G	0.0034	0.0034	mg/Kg	20	☼	1668C	Total/NA
PCB-84	0.047	G B	0.0031	0.0031	mg/Kg	20	☼	1668C	Total/NA
PCB-85/116/117	0.032	G	0.0023	0.0023	mg/Kg	20	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.16	B	0.0030	0.0024	mg/Kg	20	☼	1668C	Total/NA
PCB-88/91	0.022	G	0.0027	0.0027	mg/Kg	20	☼	1668C	Total/NA
PCB-90/101/113	0.24	E G B	0.0025	0.0025	mg/Kg	20	☼	1668C	Total/NA
PCB-92	0.043	G B	0.0029	0.0029	mg/Kg	20	☼	1668C	Total/NA
PCB-107/124	0.0088	G	0.0022	0.0022	mg/Kg	20	☼	1668C	Total/NA
PCB-95	0.14	E G B	0.0027	0.0027	mg/Kg	20	☼	1668C	Total/NA
PCB-96	0.00079		0.00050	0.0000062	mg/Kg	20	☼	1668C	Total/NA
PCB-98/102	0.0037	G	0.0026	0.0026	mg/Kg	20	☼	1668C	Total/NA
PCB-99	0.090	E G B	0.0023	0.0023	mg/Kg	20	☼	1668C	Total/NA
PCB-104	0.000013	J	0.00050	0.0000052	mg/Kg	20	☼	1668C	Total/NA
PCB-105	0.10	E G B	0.0023	0.0023	mg/Kg	20	☼	1668C	Total/NA
PCB-110/115	0.29	E G B	0.0022	0.0022	mg/Kg	20	☼	1668C	Total/NA
PCB-109	0.020	G	0.0020	0.0020	mg/Kg	20	☼	1668C	Total/NA
PCB-114	0.0041	G	0.0026	0.0026	mg/Kg	20	☼	1668C	Total/NA
PCB-118	0.24	E G B	0.0021	0.0021	mg/Kg	20	☼	1668C	Total/NA
PCB-126	0.0049	G	0.0026	0.0026	mg/Kg	20	☼	1668C	Total/NA
PCB-128/166	0.060	G B	0.0012	0.0012	mg/Kg	20	☼	1668C	Total/NA
PCB-129/138/163	0.35	E B	0.0015	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-130	0.026	G	0.0016	0.0016	mg/Kg	20	☼	1668C	Total/NA
PCB-131	0.0044	G	0.0015	0.0015	mg/Kg	20	☼	1668C	Total/NA
PCB-132	0.10	E G B	0.0015	0.0015	mg/Kg	20	☼	1668C	Total/NA
PCB-133	0.0037	G	0.0015	0.0015	mg/Kg	20	☼	1668C	Total/NA
PCB-134/143	0.016	G	0.0015	0.0015	mg/Kg	20	☼	1668C	Total/NA
PCB-135/151	0.064	G B	0.0014	0.0014	mg/Kg	20	☼	1668C	Total/NA
PCB-136	0.026	G B	0.0010	0.0010	mg/Kg	20	☼	1668C	Total/NA
PCB-137	0.016	G	0.0012	0.0012	mg/Kg	20	☼	1668C	Total/NA
PCB-139/140	0.0061	G	0.0013	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-141	0.041	G B	0.0015	0.0015	mg/Kg	20	☼	1668C	Total/NA
PCB-144	0.0098	G	0.0013	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-146	0.041	G	0.0013	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-147/149	0.18	E G B	0.0013	0.0013	mg/Kg	20	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-3 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-153/168	0.22	E G B	0.0011	0.0011	mg/Kg	20	☼	1668C	Total/NA
PCB-154	0.0023	G	0.0012	0.0012	mg/Kg	20	☼	1668C	Total/NA
PCB-156/157	0.042	G B	0.00031	0.00031	mg/Kg	20	☼	1668C	Total/NA
PCB-158	0.033	G B	0.0010	0.0010	mg/Kg	20	☼	1668C	Total/NA
PCB-159	0.00073		0.00050	0.00022	mg/Kg	20	☼	1668C	Total/NA
PCB-162	0.0014		0.00050	0.00022	mg/Kg	20	☼	1668C	Total/NA
PCB-164	0.023	G	0.0012	0.0012	mg/Kg	20	☼	1668C	Total/NA
PCB-167	0.018	G	0.00021	0.00021	mg/Kg	20	☼	1668C	Total/NA
PCB-170	0.029	B	0.00050	0.000052	mg/Kg	20	☼	1668C	Total/NA
PCB-171/173	0.010		0.0010	0.000053	mg/Kg	20	☼	1668C	Total/NA
PCB-172	0.0046		0.00050	0.000052	mg/Kg	20	☼	1668C	Total/NA
PCB-174	0.025	B	0.00050	0.000057	mg/Kg	20	☼	1668C	Total/NA
PCB-175	0.0014		0.00050	0.000020	mg/Kg	20	☼	1668C	Total/NA
PCB-176	0.0030		0.00050	0.000014	mg/Kg	20	☼	1668C	Total/NA
PCB-177	0.017		0.00050	0.000052	mg/Kg	20	☼	1668C	Total/NA
PCB-178	0.0049		0.00050	0.000021	mg/Kg	20	☼	1668C	Total/NA
PCB-179	0.0089		0.00050	0.000015	mg/Kg	20	☼	1668C	Total/NA
PCB-180/193	0.047	B	0.0010	0.000043	mg/Kg	20	☼	1668C	Total/NA
PCB-181	0.00043	J	0.00050	0.000047	mg/Kg	20	☼	1668C	Total/NA
PCB-182	0.00023	J	0.00050	0.000019	mg/Kg	20	☼	1668C	Total/NA
PCB-183	0.014	B	0.00050	0.000041	mg/Kg	20	☼	1668C	Total/NA
PCB-184	0.000076	J	0.00050	0.000016	mg/Kg	20	☼	1668C	Total/NA
PCB-185	0.0012		0.00050	0.000050	mg/Kg	20	☼	1668C	Total/NA
PCB-187	0.027	B	0.00050	0.000019	mg/Kg	20	☼	1668C	Total/NA
PCB-188	0.00010	J	0.00050	0.000016	mg/Kg	20	☼	1668C	Total/NA
PCB-189	0.0012		0.000050	0.0000089	mg/Kg	20	☼	1668C	Total/NA
PCB-190	0.0039	B	0.00050	0.000038	mg/Kg	20	☼	1668C	Total/NA
PCB-191	0.0012		0.00050	0.000039	mg/Kg	20	☼	1668C	Total/NA
PCB-194	0.0060	B	0.00050	0.000010	mg/Kg	20	☼	1668C	Total/NA
PCB-195	0.0019		0.00050	0.000011	mg/Kg	20	☼	1668C	Total/NA
PCB-196	0.0036		0.00050	0.0000077	mg/Kg	20	☼	1668C	Total/NA
PCB-197	0.00032	J	0.00050	0.0000054	mg/Kg	20	☼	1668C	Total/NA
PCB-198/199	0.0072		0.0010	0.0000082	mg/Kg	20	☼	1668C	Total/NA
PCB-200	0.00073		0.00050	0.0000066	mg/Kg	20	☼	1668C	Total/NA
PCB-201	0.0010		0.00050	0.0000059	mg/Kg	20	☼	1668C	Total/NA
PCB-202	0.0014		0.00050	0.0000069	mg/Kg	20	☼	1668C	Total/NA
PCB-203	0.0039		0.00050	0.0000077	mg/Kg	20	☼	1668C	Total/NA
PCB-205	0.00031	J	0.00050	0.0000079	mg/Kg	20	☼	1668C	Total/NA
PCB-206	0.0029		0.00050	0.000021	mg/Kg	20	☼	1668C	Total/NA
PCB-207	0.00039	J	0.00050	0.000016	mg/Kg	20	☼	1668C	Total/NA
PCB-208	0.00064		0.00050	0.000019	mg/Kg	20	☼	1668C	Total/NA
PCB-209	0.00027	J B	0.00050	0.0000051	mg/Kg	20	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	3.2		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: SB-207-1 (0-2) (102617) — Lab Sample ID: 680-144854-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.0000025	J	0.00012	0.0000012	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-207-1 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-2	0.0000018	J	0.00012	0.00000097	mg/Kg	5	☼	1668C	Total/NA
PCB-3	0.0000027	J	0.00012	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-16	0.0000065	J	0.00012	0.0000034	mg/Kg	5	☼	1668C	Total/NA
PCB-17	0.0000045	J	0.00012	0.0000025	mg/Kg	5	☼	1668C	Total/NA
PCB-18/30	0.000011	J B	0.00024	0.0000022	mg/Kg	5	☼	1668C	Total/NA
PCB-20/28	0.000024	J B	0.00024	0.0000019	mg/Kg	5	☼	1668C	Total/NA
PCB-21/33	0.000025	J B	0.00024	0.0000018	mg/Kg	5	☼	1668C	Total/NA
PCB-22	0.0000063	J	0.00012	0.0000020	mg/Kg	5	☼	1668C	Total/NA
PCB-31	0.000026	J B	0.00012	0.0000018	mg/Kg	5	☼	1668C	Total/NA
PCB-32	0.0000029	J	0.00012	0.0000018	mg/Kg	5	☼	1668C	Total/NA
PCB-37	0.000021	J	0.00012	0.0000020	mg/Kg	5	☼	1668C	Total/NA
PCB-40/71	0.000093	J B	0.00024	0.0000018	mg/Kg	5	☼	1668C	Total/NA
PCB-42	0.000042	J B	0.00012	0.0000019	mg/Kg	5	☼	1668C	Total/NA
PCB-44/47/65	0.00061	B	0.00036	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-45	0.000012	J	0.00012	0.0000020	mg/Kg	5	☼	1668C	Total/NA
PCB-48	0.000017	J B	0.00012	0.0000018	mg/Kg	5	☼	1668C	Total/NA
PCB-49/69	0.00027	B	0.00024	0.0000015	mg/Kg	5	☼	1668C	Total/NA
PCB-50/53	0.000033	J B	0.00024	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-51	0.0000043	J	0.00012	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-52	0.0021	B	0.00012	0.0000018	mg/Kg	5	☼	1668C	Total/NA
PCB-56	0.00018		0.00012	0.000010	mg/Kg	5	☼	1668C	Total/NA
PCB-58	0.00013		0.00012	0.0000096	mg/Kg	5	☼	1668C	Total/NA
PCB-59/62/75	0.000014	J	0.00036	0.0000013	mg/Kg	5	☼	1668C	Total/NA
PCB-60	0.000068	J	0.00012	0.0000098	mg/Kg	5	☼	1668C	Total/NA
PCB-61/70/74/76	0.0017	B	0.00048	0.0000096	mg/Kg	5	☼	1668C	Total/NA
PCB-64	0.00025	B	0.00012	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-66	0.00058	B	0.00012	0.000010	mg/Kg	5	☼	1668C	Total/NA
PCB-77	0.00012		0.000012	0.0000096	mg/Kg	5	☼	1668C	Total/NA
PCB-79	0.000053	J	0.00012	0.0000089	mg/Kg	5	☼	1668C	Total/NA
PCB-82	0.00078	G	0.00017	0.00017	mg/Kg	5	☼	1668C	Total/NA
PCB-84	0.0014	G B	0.00016	0.00016	mg/Kg	5	☼	1668C	Total/NA
PCB-85/116/117	0.0017		0.00036	0.00012	mg/Kg	5	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.0048	B	0.00072	0.00012	mg/Kg	5	☼	1668C	Total/NA
PCB-88/91	0.00081		0.00024	0.00013	mg/Kg	5	☼	1668C	Total/NA
PCB-90/101/113	0.0076	B	0.00036	0.00012	mg/Kg	5	☼	1668C	Total/NA
PCB-92	0.0014	G B	0.00014	0.00014	mg/Kg	5	☼	1668C	Total/NA
PCB-107/124	0.00040		0.00024	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-95	0.0051	G B	0.00013	0.00013	mg/Kg	5	☼	1668C	Total/NA
PCB-96	0.000029	J	0.00012	0.00000054	mg/Kg	5	☼	1668C	Total/NA
PCB-99	0.0035	B	0.00012	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-105	0.0043	G B	0.00011	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-110/115	0.012	B	0.00024	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-109	0.00069		0.00012	0.00010	mg/Kg	5	☼	1668C	Total/NA
PCB-114	0.00014	G	0.00011	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-118	0.0094	G B	0.00011	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-123	0.00014	G	0.00011	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-128/166	0.0033	B	0.00024	0.000062	mg/Kg	5	☼	1668C	Total/NA
PCB-129/138/163	0.021	B	0.00036	0.000066	mg/Kg	5	☼	1668C	Total/NA
PCB-130	0.0012		0.00012	0.000083	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-207-1 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-131	0.00018		0.00012	0.000076	mg/Kg	5	☼	1668C	Total/NA
PCB-132	0.0055	B	0.00012	0.000076	mg/Kg	5	☼	1668C	Total/NA
PCB-133	0.00018		0.00012	0.000075	mg/Kg	5	☼	1668C	Total/NA
PCB-134/143	0.00075		0.00024	0.000077	mg/Kg	5	☼	1668C	Total/NA
PCB-135/151	0.0043	B	0.00024	0.000070	mg/Kg	5	☼	1668C	Total/NA
PCB-136	0.0016	B	0.00012	0.000052	mg/Kg	5	☼	1668C	Total/NA
PCB-137	0.00090		0.00012	0.000062	mg/Kg	5	☼	1668C	Total/NA
PCB-139/140	0.00027		0.00024	0.000067	mg/Kg	5	☼	1668C	Total/NA
PCB-141	0.0035	B	0.00012	0.000074	mg/Kg	5	☼	1668C	Total/NA
PCB-144	0.00063		0.00012	0.000068	mg/Kg	5	☼	1668C	Total/NA
PCB-146	0.0022		0.00012	0.000064	mg/Kg	5	☼	1668C	Total/NA
PCB-147/149	0.0097	B	0.00024	0.000068	mg/Kg	5	☼	1668C	Total/NA
PCB-153/168	0.014	B	0.00024	0.000057	mg/Kg	5	☼	1668C	Total/NA
PCB-156/157	0.0023	B	0.000024	0.000023	mg/Kg	5	☼	1668C	Total/NA
PCB-158	0.0022	B	0.00012	0.000052	mg/Kg	5	☼	1668C	Total/NA
PCB-159	0.00013		0.00012	0.000015	mg/Kg	5	☼	1668C	Total/NA
PCB-162	0.000055	J	0.00012	0.000014	mg/Kg	5	☼	1668C	Total/NA
PCB-164	0.0014		0.00012	0.000061	mg/Kg	5	☼	1668C	Total/NA
PCB-167	0.00072	G	0.000013	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-170	0.0039	B	0.00012	0.0000048	mg/Kg	5	☼	1668C	Total/NA
PCB-171/173	0.0013		0.00024	0.0000049	mg/Kg	5	☼	1668C	Total/NA
PCB-172	0.00065		0.00012	0.0000047	mg/Kg	5	☼	1668C	Total/NA
PCB-174	0.0042	B	0.00012	0.0000052	mg/Kg	5	☼	1668C	Total/NA
PCB-175	0.00017		0.00012	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-176	0.00044		0.00012	0.00000084	mg/Kg	5	☼	1668C	Total/NA
PCB-177	0.0022		0.00012	0.0000048	mg/Kg	5	☼	1668C	Total/NA
PCB-178	0.00069		0.00012	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-179	0.0013		0.00012	0.00000088	mg/Kg	5	☼	1668C	Total/NA
PCB-180/193	0.0080	B	0.00024	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-181	0.000036	J	0.00012	0.0000043	mg/Kg	5	☼	1668C	Total/NA
PCB-182	0.000017	J	0.00012	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-183	0.0019	B	0.00012	0.0000037	mg/Kg	5	☼	1668C	Total/NA
PCB-185	0.00046		0.00012	0.0000045	mg/Kg	5	☼	1668C	Total/NA
PCB-187	0.0040	B	0.00012	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-189	0.00014		0.000012	0.00000072	mg/Kg	5	☼	1668C	Total/NA
PCB-190	0.00074	B	0.00012	0.0000034	mg/Kg	5	☼	1668C	Total/NA
PCB-191	0.00017		0.00012	0.0000035	mg/Kg	5	☼	1668C	Total/NA
PCB-194	0.0013	B	0.00012	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-195	0.00057		0.00012	0.0000015	mg/Kg	5	☼	1668C	Total/NA
PCB-196	0.00074		0.00012	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-197	0.000057	J	0.00012	0.00000072	mg/Kg	5	☼	1668C	Total/NA
PCB-198/199	0.0014		0.00024	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-200	0.00020		0.00012	0.00000087	mg/Kg	5	☼	1668C	Total/NA
PCB-201	0.00014		0.00012	0.00000078	mg/Kg	5	☼	1668C	Total/NA
PCB-202	0.00022		0.00012	0.00000084	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-207-1 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-203	0.00088		0.00012	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-205	0.000074	J	0.00012	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-206	0.00033		0.00012	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-207	0.000041	J	0.00012	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-208	0.000080	J	0.00012	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-209	0.00016	B	0.00012	0.00000032	mg/Kg	5	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	0.17		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: SB-207-2 (0-2) (102617) — Lab Sample ID: 680-144854-16

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.0000046	J	0.00013	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-2	0.0000031	J	0.00013	0.00000089	mg/Kg	5	☼	1668C	Total/NA
PCB-3	0.0000053	J	0.00013	0.00000094	mg/Kg	5	☼	1668C	Total/NA
PCB-8	0.000016	J	0.00013	0.000012	mg/Kg	5	☼	1668C	Total/NA
PCB-15	0.000012	J	0.00013	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-16	0.000023	J	0.00013	0.0000056	mg/Kg	5	☼	1668C	Total/NA
PCB-17	0.000023	J	0.00013	0.0000042	mg/Kg	5	☼	1668C	Total/NA
PCB-18/30	0.000058	J B	0.00025	0.0000037	mg/Kg	5	☼	1668C	Total/NA
PCB-19	0.000011	J	0.00013	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-20/28	0.000095	J B	0.00025	0.0000049	mg/Kg	5	☼	1668C	Total/NA
PCB-21/33	0.000083	J B	0.00025	0.0000046	mg/Kg	5	☼	1668C	Total/NA
PCB-22	0.000023	J	0.00013	0.0000050	mg/Kg	5	☼	1668C	Total/NA
PCB-26/29	0.000016	J	0.00025	0.0000047	mg/Kg	5	☼	1668C	Total/NA
PCB-31	0.000089	J B	0.00013	0.0000045	mg/Kg	5	☼	1668C	Total/NA
PCB-32	0.000029	J	0.00013	0.0000031	mg/Kg	5	☼	1668C	Total/NA
PCB-37	0.000039	J	0.00013	0.0000064	mg/Kg	5	☼	1668C	Total/NA
PCB-40/71	0.00025	B	0.00025	0.0000036	mg/Kg	5	☼	1668C	Total/NA
PCB-42	0.00012	J B	0.00013	0.0000040	mg/Kg	5	☼	1668C	Total/NA
PCB-43	0.0000075	J	0.00013	0.0000043	mg/Kg	5	☼	1668C	Total/NA
PCB-44/47/65	0.0015	B	0.00038	0.0000034	mg/Kg	5	☼	1668C	Total/NA
PCB-45	0.000031	J	0.00013	0.0000041	mg/Kg	5	☼	1668C	Total/NA
PCB-46	0.000022	J	0.00013	0.0000043	mg/Kg	5	☼	1668C	Total/NA
PCB-48	0.000056	J B	0.00013	0.0000036	mg/Kg	5	☼	1668C	Total/NA
PCB-49/69	0.00079	B	0.00025	0.0000030	mg/Kg	5	☼	1668C	Total/NA
PCB-50/53	0.00010	J B	0.00025	0.0000035	mg/Kg	5	☼	1668C	Total/NA
PCB-51	0.000026	J	0.00013	0.0000034	mg/Kg	5	☼	1668C	Total/NA
PCB-52	0.0045	B	0.00013	0.0000037	mg/Kg	5	☼	1668C	Total/NA
PCB-54	0.0000021	J	0.00013	0.00000061	mg/Kg	5	☼	1668C	Total/NA
PCB-56	0.000069	J	0.00013	0.000026	mg/Kg	5	☼	1668C	Total/NA
PCB-58	0.00031		0.00013	0.000024	mg/Kg	5	☼	1668C	Total/NA
PCB-59/62/75	0.000037	J	0.00038	0.0000027	mg/Kg	5	☼	1668C	Total/NA
PCB-60	0.00026		0.00013	0.000024	mg/Kg	5	☼	1668C	Total/NA
PCB-61/70/74/76	0.0035	B	0.00051	0.000024	mg/Kg	5	☼	1668C	Total/NA
PCB-63	0.000030	J	0.00013	0.000022	mg/Kg	5	☼	1668C	Total/NA
PCB-64	0.00037	B	0.00013	0.0000025	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-207-2 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-16

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-66	0.0010	B	0.00013	0.000025	mg/Kg	5	☼	1668C	Total/NA
PCB-77	0.00018	G	0.000025	0.000025	mg/Kg	5	☼	1668C	Total/NA
PCB-79	0.000098	J	0.00013	0.000022	mg/Kg	5	☼	1668C	Total/NA
PCB-82	0.0018	G	0.00035	0.00035	mg/Kg	5	☼	1668C	Total/NA
PCB-84	0.0044	G B	0.00033	0.00033	mg/Kg	5	☼	1668C	Total/NA
PCB-85/116/117	0.0025		0.00038	0.00024	mg/Kg	5	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.011	B	0.00076	0.00025	mg/Kg	5	☼	1668C	Total/NA
PCB-88/91	0.0020	G	0.00028	0.00028	mg/Kg	5	☼	1668C	Total/NA
PCB-90/101/113	0.017	B	0.00038	0.00026	mg/Kg	5	☼	1668C	Total/NA
PCB-107/124	0.00055		0.00025	0.00023	mg/Kg	5	☼	1668C	Total/NA
PCB-95	0.013	E G B	0.00028	0.00028	mg/Kg	5	☼	1668C	Total/NA
PCB-96	0.000070	J	0.00013	0.00000077	mg/Kg	5	☼	1668C	Total/NA
PCB-99	0.0066	G B	0.00024	0.00024	mg/Kg	5	☼	1668C	Total/NA
PCB-105	0.0060	G B	0.00024	0.00024	mg/Kg	5	☼	1668C	Total/NA
PCB-110/115	0.026	E B	0.00025	0.00022	mg/Kg	5	☼	1668C	Total/NA
PCB-109	0.0011	G	0.00021	0.00021	mg/Kg	5	☼	1668C	Total/NA
PCB-114	0.00030	G	0.00024	0.00024	mg/Kg	5	☼	1668C	Total/NA
PCB-118	0.016	E G B	0.00022	0.00022	mg/Kg	5	☼	1668C	Total/NA
PCB-128/166	0.0057	B	0.00025	0.000074	mg/Kg	5	☼	1668C	Total/NA
PCB-129/138/163	0.031	B	0.00038	0.000079	mg/Kg	5	☼	1668C	Total/NA
PCB-130	0.0023		0.00013	0.000099	mg/Kg	5	☼	1668C	Total/NA
PCB-131	0.00042		0.00013	0.000091	mg/Kg	5	☼	1668C	Total/NA
PCB-132	0.0099	B	0.00013	0.000090	mg/Kg	5	☼	1668C	Total/NA
PCB-133	0.00032		0.00013	0.000089	mg/Kg	5	☼	1668C	Total/NA
PCB-134/143	0.0016		0.00025	0.000092	mg/Kg	5	☼	1668C	Total/NA
PCB-135/151	0.0061	B	0.00025	0.000083	mg/Kg	5	☼	1668C	Total/NA
PCB-136	0.0026	B	0.00013	0.000062	mg/Kg	5	☼	1668C	Total/NA
PCB-137	0.0018		0.00013	0.000074	mg/Kg	5	☼	1668C	Total/NA
PCB-139/140	0.00053		0.00025	0.000080	mg/Kg	5	☼	1668C	Total/NA
PCB-141	0.0045	B	0.00013	0.000088	mg/Kg	5	☼	1668C	Total/NA
PCB-144	0.00093		0.00013	0.000080	mg/Kg	5	☼	1668C	Total/NA
PCB-146	0.0033		0.00013	0.000076	mg/Kg	5	☼	1668C	Total/NA
PCB-147/149	0.017	B	0.00025	0.000081	mg/Kg	5	☼	1668C	Total/NA
PCB-153/168	0.018	B	0.00025	0.000068	mg/Kg	5	☼	1668C	Total/NA
PCB-154	0.00011	J	0.00013	0.000073	mg/Kg	5	☼	1668C	Total/NA
PCB-156/157	0.0036	B	0.000025	0.000022	mg/Kg	5	☼	1668C	Total/NA
PCB-158	0.0035	B	0.00013	0.000062	mg/Kg	5	☼	1668C	Total/NA
PCB-159	0.000074	J	0.00013	0.000014	mg/Kg	5	☼	1668C	Total/NA
PCB-162	0.00011	J	0.00013	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-164	0.0021		0.00013	0.000073	mg/Kg	5	☼	1668C	Total/NA
PCB-167	0.0012		0.000013	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-170	0.0033	B	0.00013	0.0000042	mg/Kg	5	☼	1668C	Total/NA
PCB-171/173	0.0011		0.00025	0.0000043	mg/Kg	5	☼	1668C	Total/NA
PCB-172	0.00048		0.00013	0.0000042	mg/Kg	5	☼	1668C	Total/NA
PCB-174	0.0028	B	0.00013	0.0000046	mg/Kg	5	☼	1668C	Total/NA
PCB-175	0.00012	J	0.00013	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-176	0.00029		0.00013	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-177	0.0015		0.00013	0.0000042	mg/Kg	5	☼	1668C	Total/NA
PCB-178	0.00041		0.00013	0.0000018	mg/Kg	5	☼	1668C	Total/NA
PCB-179	0.00077		0.00013	0.0000013	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-207-2 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-16

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-180/193	0.0052	B	0.00025	0.0000035	mg/Kg	5	☼	1668C	Total/NA
PCB-181	0.000066	J	0.00013	0.0000038	mg/Kg	5	☼	1668C	Total/NA
PCB-182	0.000020	J	0.00013	0.0000016	mg/Kg	5	☼	1668C	Total/NA
PCB-183	0.0013	B	0.00013	0.0000033	mg/Kg	5	☼	1668C	Total/NA
PCB-185	0.00022		0.00013	0.0000040	mg/Kg	5	☼	1668C	Total/NA
PCB-187	0.0023	B	0.00013	0.0000016	mg/Kg	5	☼	1668C	Total/NA
PCB-188	0.0000028	J	0.00013	0.0000013	mg/Kg	5	☼	1668C	Total/NA
PCB-189	0.00014		0.000013	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-190	0.00055	B	0.00013	0.0000031	mg/Kg	5	☼	1668C	Total/NA
PCB-191	0.00013		0.00013	0.0000031	mg/Kg	5	☼	1668C	Total/NA
PCB-194	0.00066	B	0.00013	0.0000020	mg/Kg	5	☼	1668C	Total/NA
PCB-195	0.00027		0.00013	0.0000021	mg/Kg	5	☼	1668C	Total/NA
PCB-196	0.00042		0.00013	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-197	0.000035	J	0.00013	0.00000071	mg/Kg	5	☼	1668C	Total/NA
PCB-198/199	0.00085		0.00025	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-200	0.00011	J	0.00013	0.00000085	mg/Kg	5	☼	1668C	Total/NA
PCB-201	0.000088	J	0.00013	0.00000077	mg/Kg	5	☼	1668C	Total/NA
PCB-202	0.00014		0.00013	0.00000081	mg/Kg	5	☼	1668C	Total/NA
PCB-203	0.00055		0.00013	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-205	0.000040	J	0.00013	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-206	0.00040		0.00013	0.0000019	mg/Kg	5	☼	1668C	Total/NA
PCB-207	0.000061	J	0.00013	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-208	0.00012	J	0.00013	0.0000016	mg/Kg	5	☼	1668C	Total/NA
PCB-209	0.00053	B	0.00013	0.00000050	mg/Kg	5	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	0.26		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: SB-207-3 (0-2) (102617) — Lab Sample ID: 680-144854-17

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.0000031	J	0.00011	0.00000088	mg/Kg	5	☼	1668C	Total/NA
PCB-2	0.0000010	J	0.00011	0.00000072	mg/Kg	5	☼	1668C	Total/NA
PCB-3	0.0000021	J	0.00011	0.00000076	mg/Kg	5	☼	1668C	Total/NA
PCB-8	0.000024	J	0.00011	0.0000066	mg/Kg	5	☼	1668C	Total/NA
PCB-15	0.0000077	J	0.00011	0.0000065	mg/Kg	5	☼	1668C	Total/NA
PCB-16	0.000018	J	0.00011	0.0000051	mg/Kg	5	☼	1668C	Total/NA
PCB-17	0.000091	J	0.00011	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-18/30	0.000058	J B	0.00022	0.0000034	mg/Kg	5	☼	1668C	Total/NA
PCB-19	0.000021	J	0.00011	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-20/28	0.00077	B	0.00022	0.0000087	mg/Kg	5	☼	1668C	Total/NA
PCB-21/33	0.000070	J B	0.00022	0.0000082	mg/Kg	5	☼	1668C	Total/NA
PCB-22	0.000043	J	0.00011	0.0000089	mg/Kg	5	☼	1668C	Total/NA
PCB-26/29	0.000012	J	0.00022	0.0000084	mg/Kg	5	☼	1668C	Total/NA
PCB-27	0.0000043	J	0.00011	0.0000029	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-207-3 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-17

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-31	0.00019	B	0.00011	0.0000079	mg/Kg	5	☼	1668C	Total/NA
PCB-32	0.00045		0.00011	0.0000028	mg/Kg	5	☼	1668C	Total/NA
PCB-37	0.000031	J	0.00011	0.000010	mg/Kg	5	☼	1668C	Total/NA
PCB-40/71	0.0014	B	0.00022	0.0000067	mg/Kg	5	☼	1668C	Total/NA
PCB-42	0.00044	B	0.00011	0.0000073	mg/Kg	5	☼	1668C	Total/NA
PCB-43	0.000018	J	0.00011	0.0000080	mg/Kg	5	☼	1668C	Total/NA
PCB-44/47/65	0.0039	B	0.00033	0.0000063	mg/Kg	5	☼	1668C	Total/NA
PCB-46	0.00011		0.00011	0.0000079	mg/Kg	5	☼	1668C	Total/NA
PCB-48	0.000049	J B	0.00011	0.0000067	mg/Kg	5	☼	1668C	Total/NA
PCB-49/69	0.0023	B	0.00022	0.0000056	mg/Kg	5	☼	1668C	Total/NA
PCB-50/53	0.00057	B	0.00022	0.0000064	mg/Kg	5	☼	1668C	Total/NA
PCB-51	0.00052		0.00011	0.0000063	mg/Kg	5	☼	1668C	Total/NA
PCB-52	0.0046	B	0.00011	0.0000067	mg/Kg	5	☼	1668C	Total/NA
PCB-54	0.000034	J	0.00011	0.00000051	mg/Kg	5	☼	1668C	Total/NA
PCB-56	0.00041		0.00011	0.000025	mg/Kg	5	☼	1668C	Total/NA
PCB-58	0.00025		0.00011	0.000024	mg/Kg	5	☼	1668C	Total/NA
PCB-59/62/75	0.000099	J	0.00033	0.0000049	mg/Kg	5	☼	1668C	Total/NA
PCB-60	0.00011		0.00011	0.000024	mg/Kg	5	☼	1668C	Total/NA
PCB-61/70/74/76	0.0036	B	0.00045	0.000024	mg/Kg	5	☼	1668C	Total/NA
PCB-63	0.000081	J	0.00011	0.000022	mg/Kg	5	☼	1668C	Total/NA
PCB-64	0.00059	B	0.00011	0.0000047	mg/Kg	5	☼	1668C	Total/NA
PCB-66	0.0026	B	0.00011	0.000025	mg/Kg	5	☼	1668C	Total/NA
PCB-68	0.000071	J	0.00011	0.000021	mg/Kg	5	☼	1668C	Total/NA
PCB-72	0.000062	J	0.00011	0.000023	mg/Kg	5	☼	1668C	Total/NA
PCB-73	0.000046	J	0.00011	0.0000051	mg/Kg	5	☼	1668C	Total/NA
PCB-77	0.00021	G	0.000025	0.000025	mg/Kg	5	☼	1668C	Total/NA
PCB-79	0.00010	J	0.00011	0.000022	mg/Kg	5	☼	1668C	Total/NA
PCB-82	0.0013	G	0.00022	0.00022	mg/Kg	5	☼	1668C	Total/NA
PCB-84	0.0030	G B	0.00021	0.00021	mg/Kg	5	☼	1668C	Total/NA
PCB-85/116/117	0.0027		0.00033	0.00015	mg/Kg	5	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.010	B	0.00067	0.00016	mg/Kg	5	☼	1668C	Total/NA
PCB-88/91	0.0019		0.00022	0.00018	mg/Kg	5	☼	1668C	Total/NA
PCB-90/101/113	0.016	B	0.00033	0.00016	mg/Kg	5	☼	1668C	Total/NA
PCB-92	0.0032	G B	0.00019	0.00019	mg/Kg	5	☼	1668C	Total/NA
PCB-107/124	0.00063		0.00022	0.00014	mg/Kg	5	☼	1668C	Total/NA
PCB-95	0.0098	G B	0.00017	0.00017	mg/Kg	5	☼	1668C	Total/NA
PCB-96	0.00010	J	0.00011	0.00000060	mg/Kg	5	☼	1668C	Total/NA
PCB-98/102	0.00029		0.00022	0.00017	mg/Kg	5	☼	1668C	Total/NA
PCB-99	0.0073	G B	0.00015	0.00015	mg/Kg	5	☼	1668C	Total/NA
PCB-104	0.0000043	J	0.00011	0.00000062	mg/Kg	5	☼	1668C	Total/NA
PCB-105	0.0072	G B	0.00015	0.00015	mg/Kg	5	☼	1668C	Total/NA
PCB-110/115	0.024	E B	0.00022	0.00014	mg/Kg	5	☼	1668C	Total/NA
PCB-109	0.0014	G	0.00013	0.00013	mg/Kg	5	☼	1668C	Total/NA
PCB-114	0.00028	G	0.00015	0.00015	mg/Kg	5	☼	1668C	Total/NA
PCB-118	0.018	E G B	0.00014	0.00014	mg/Kg	5	☼	1668C	Total/NA
PCB-122	0.00016	G	0.00015	0.00015	mg/Kg	5	☼	1668C	Total/NA
PCB-123	0.00021	G	0.00015	0.00015	mg/Kg	5	☼	1668C	Total/NA
PCB-128/166	0.0041	B	0.00022	0.000062	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-207-3 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-17

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-129/138/163	0.024	B	0.00033	0.000066	mg/Kg	5	☼	1668C	Total/NA
PCB-130	0.0015		0.00011	0.000083	mg/Kg	5	☼	1668C	Total/NA
PCB-131	0.00027		0.00011	0.000076	mg/Kg	5	☼	1668C	Total/NA
PCB-132	0.0070	B	0.00011	0.000075	mg/Kg	5	☼	1668C	Total/NA
PCB-133	0.00024		0.00011	0.000074	mg/Kg	5	☼	1668C	Total/NA
PCB-134/143	0.0011		0.00022	0.000077	mg/Kg	5	☼	1668C	Total/NA
PCB-135/151	0.0052	B	0.00022	0.000070	mg/Kg	5	☼	1668C	Total/NA
PCB-136	0.0021	B	0.00011	0.000052	mg/Kg	5	☼	1668C	Total/NA
PCB-137	0.0012		0.00011	0.000062	mg/Kg	5	☼	1668C	Total/NA
PCB-139/140	0.00038		0.00022	0.000067	mg/Kg	5	☼	1668C	Total/NA
PCB-141	0.0035	B	0.00011	0.000074	mg/Kg	5	☼	1668C	Total/NA
PCB-144	0.00069		0.00011	0.000068	mg/Kg	5	☼	1668C	Total/NA
PCB-146	0.0024		0.00011	0.000064	mg/Kg	5	☼	1668C	Total/NA
PCB-147/149	0.014	B	0.00022	0.000068	mg/Kg	5	☼	1668C	Total/NA
PCB-153/168	0.015	B	0.00022	0.000057	mg/Kg	5	☼	1668C	Total/NA
PCB-154	0.000086	J	0.00011	0.000061	mg/Kg	5	☼	1668C	Total/NA
PCB-156/157	0.0032	B	0.000022	0.000019	mg/Kg	5	☼	1668C	Total/NA
PCB-158	0.0026	B	0.00011	0.000052	mg/Kg	5	☼	1668C	Total/NA
PCB-159	0.000074	J	0.00011	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-162	0.000072	J	0.00011	0.000012	mg/Kg	5	☼	1668C	Total/NA
PCB-164	0.0016		0.00011	0.000061	mg/Kg	5	☼	1668C	Total/NA
PCB-167	0.0010		0.000011	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-170	0.0031	B	0.00011	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-171/173	0.0010		0.00022	0.0000040	mg/Kg	5	☼	1668C	Total/NA
PCB-172	0.00049		0.00011	0.0000038	mg/Kg	5	☼	1668C	Total/NA
PCB-174	0.0031	B	0.00011	0.0000042	mg/Kg	5	☼	1668C	Total/NA
PCB-175	0.00013		0.00011	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-176	0.00033		0.00011	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-177	0.0016		0.00011	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-178	0.00049		0.00011	0.0000015	mg/Kg	5	☼	1668C	Total/NA
PCB-179	0.0010		0.00011	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-180/193	0.0058	B	0.00022	0.0000032	mg/Kg	5	☼	1668C	Total/NA
PCB-181	0.000047	J	0.00011	0.0000035	mg/Kg	5	☼	1668C	Total/NA
PCB-182	0.000016	J	0.00011	0.0000013	mg/Kg	5	☼	1668C	Total/NA
PCB-183	0.0014	B	0.00011	0.0000030	mg/Kg	5	☼	1668C	Total/NA
PCB-185	0.00030		0.00011	0.0000037	mg/Kg	5	☼	1668C	Total/NA
PCB-187	0.0028	B	0.00011	0.0000013	mg/Kg	5	☼	1668C	Total/NA
PCB-188	0.0000034	J	0.00011	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-189	0.00012		0.000011	0.00000073	mg/Kg	5	☼	1668C	Total/NA
PCB-190	0.00058	B	0.00011	0.0000028	mg/Kg	5	☼	1668C	Total/NA
PCB-191	0.00013		0.00011	0.0000029	mg/Kg	5	☼	1668C	Total/NA
PCB-194	0.00079	B	0.00011	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-195	0.00037		0.00011	0.0000015	mg/Kg	5	☼	1668C	Total/NA
PCB-196	0.00050		0.00011	0.0000022	mg/Kg	5	☼	1668C	Total/NA
PCB-197	0.000037	J	0.00011	0.0000016	mg/Kg	5	☼	1668C	Total/NA
PCB-198/199	0.0011		0.00022	0.0000024	mg/Kg	5	☼	1668C	Total/NA
PCB-200	0.00014		0.00011	0.0000019	mg/Kg	5	☼	1668C	Total/NA
PCB-201	0.00012		0.00011	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-202	0.00014		0.00011	0.0000018	mg/Kg	5	☼	1668C	Total/NA
PCB-203	0.00062		0.00011	0.0000022	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-207-3 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-17

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-205	0.000049	J	0.00011	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-206	0.00023		0.00011	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-207	0.000029	J	0.00011	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-208	0.000049	J	0.00011	0.0000013	mg/Kg	5	☼	1668C	Total/NA
PCB-209	0.000027	J B	0.00011	0.00000049	mg/Kg	5	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	0.25		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-204-1 (0-2) (102617)

Date Collected: 10/26/17 15:00
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-12

Matrix: Solid
Percent Solids: 85.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000029		0.000024	0.00000052	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-2	0.0000040	J q	0.000024	0.00000041	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-3	0.000013	J	0.000024	0.00000043	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-4	0.000097		0.000024	0.000013	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-5	0.000024		0.000024	0.0000037	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-6	0.000046		0.000024	0.0000039	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-7	0.0000037	U	0.000024	0.0000037	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-8	0.00022		0.000024	0.0000038	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-9	0.000015	J	0.000024	0.0000039	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-10	0.0000082	U	0.000024	0.0000082	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-11	0.0000061	J	0.000024	0.0000037	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-12/13	0.000020	J q	0.000047	0.0000037	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-14	0.0000033	U	0.000024	0.0000033	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-15	0.000086		0.000024	0.0000036	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-16	0.00031		0.000024	0.0000014	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-17	0.00027		0.000024	0.0000011	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-18/30	0.00077	B	0.000047	0.00000093	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-19	0.000080		0.000024	0.0000013	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-20/28	0.0012	B	0.000047	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-21/33	0.0015	B	0.000047	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-22	0.00038		0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-23	0.000020	U	0.000024	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-24	0.000011	J	0.000024	0.00000085	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-25	0.000092		0.000024	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-26/29	0.00018		0.000047	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-27	0.000042		0.000024	0.00000081	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-31	0.0015	B	0.000024	0.000019	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-32	0.00022		0.000024	0.00000077	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-34	0.000021	U	0.000024	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-35	0.000028		0.000024	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-36	0.000020	U	0.000024	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-37	0.00050	F1	0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-38	0.000022	U	0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-39	0.000019	U	0.000024	0.000019	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-40/71	0.0031	B	0.000047	0.000026	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-41	0.00029	G	0.000030	0.000030	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-42	0.0016	G B	0.000028	0.000028	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-43	0.00021	q G	0.000031	0.000031	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-44/47/65	0.018	E B	0.000071	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-45	0.00043	G	0.000029	0.000029	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-46	0.00022	G	0.000030	0.000030	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-48	0.00098	G B	0.000026	0.000026	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-49/69	0.0099	E B	0.000047	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-50/53	0.00097	B	0.000047	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1

Client Sample ID: SB-204-1 (0-2) (102617)

Date Collected: 10/26/17 15:00
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-12

Matrix: Solid
Percent Solids: 85.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-51	**0.00016**		0.000024	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-54	**0.0000065**	**J**	0.000024	0.0000036	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-55	0.00022	U G	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-56	**0.0049**	**E G**	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-57	0.00022	U G	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-58	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-59/62/75	**0.00045**		0.000071	0.000019	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-60	**0.0020**	**G**	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-61/70/74/76	**0.047**	**E G B**	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-63	**0.00049**	**G**	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-64	**0.0056**	**E B**	0.000024	0.000018	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-66	**0.015**	**E G B**	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-67	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-68	0.00019	U G	0.00019	0.00019	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-72	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-73	0.000019	U	0.000024	0.000019	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-77	**0.0019**	**G**	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-78	**0.00047**	**q G**	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-79	**0.00097**	**G**	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-80	**0.00063**	**G**	0.00019	0.00019	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-81	0.00020	U G	0.00020	0.00020	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-82	**0.013**	**E G**	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-83	0.0015	U G	0.0015	0.0015	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-84	**0.027**	**E G B**	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-85/116/117	**0.020**	**E G**	0.00095	0.00095	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-88/91	**0.012**	**E G**	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-89	0.0012	U G	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-92	**0.021**	**E G B**	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-93/100	0.0011	U G	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-107/124	**0.0059**	**E G**	0.00088	0.00088	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-94	0.0011	U G	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-96	**0.00041**		0.000024	0.00000084	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-98/102	**0.0014**	**q G**	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-99	**0.046**	**E G B**	0.00093	0.00093	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-103	0.00099	U G	0.00099	0.00099	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-104	**0.0000048**	**J**	0.000024	0.0000010	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-106	0.00090	U G	0.00090	0.00090	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-109	**0.0095**	**E G**	0.00082	0.00082	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-111	0.00085	U G	0.00085	0.00085	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-112	0.00088	U G	0.00088	0.00088	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-114	**0.0035**	**E G**	0.00086	0.00086	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-120	0.00081	U G	0.00081	0.00081	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-121	0.00081	U G	0.00081	0.00081	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-122	**0.0012**	**G**	0.00095	0.00095	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-123	**0.0020**	**G**	0.00086	0.00086	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-126	0.00081	U G	0.00081	0.00081	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-127	0.00090	U G	0.00090	0.00090	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-128/166	**0.026**	**E G B**	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1

Client Sample ID: SB-204-1 (0-2) (102617)

Lab Sample ID: 680-144854-12

Date Collected: 10/26/17 15:00
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 85.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-130	0.0099	E G	0.00029	0.00029	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-131	0.0020	G	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-132	0.041	E G B	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-133	0.0016	G	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-134/143	0.0071	E G	0.00027	0.00027	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-135/151	0.028	E G B	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-136	0.011	E G B	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-137	0.0079	E G	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-139/140	0.0025	G	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-141	0.021	E G B	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-142	0.00028	U G	0.00028	0.00028	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-144	0.0044	E G	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-145	0.00018	U G	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-146	0.014	E G	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-148	0.00023	U G	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-150	0.00017	U G	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-152	0.00017	U G	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-154	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-155	0.00018	U G	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-156/157	0.022	E G B F2	0.00019	0.00019	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-158	0.016	E G B	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-159	0.00034	G	0.00013	0.00013	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-160	0.00022	U G	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-161	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-162	0.00052	G	0.00013	0.00013	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-164	0.0097	E G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-165	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-167	0.0065	E G F2	0.00012	0.00012	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-169	0.00012	U G	0.00012	0.00012	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-170	0.015	E G B	0.000028	0.000028	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-171/173	0.0050	E	0.000047	0.000029	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-172	0.0023	G	0.000028	0.000028	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-174	0.014	E G B	0.000031	0.000031	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-175	0.00057		0.000024	0.0000055	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-176	0.0015		0.000024	0.0000040	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-177	0.0074	E G	0.000028	0.000028	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-178	0.0022		0.000024	0.0000058	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-179	0.0043	E	0.000024	0.0000042	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-180/193	0.027	E B	0.000047	0.000023	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-181	0.00028	G	0.000025	0.000025	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-182	0.000093		0.000024	0.0000052	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-183	0.0067	E B	0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-184	0.0000044	U	0.000024	0.0000044	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-185	0.0011	G	0.000027	0.000027	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-186	0.0000042	U	0.000024	0.0000042	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-187	0.013	E B	0.000024	0.0000052	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-188	0.0000051	U	0.000024	0.0000051	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-189	0.00053	q F1	0.0000024	0.0000017	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-190	0.0027	E B	0.000024	0.000020	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1

Client Sample ID: SB-204-1 (0-2) (102617)

Date Collected: 10/26/17 15:00
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-12

Matrix: Solid
Percent Solids: 85.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-191	**0.00059**		0.000024	0.000021	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-192	0.000022	U	0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-194	**0.0043**	**E B**	0.000024	0.0000018	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-195	**0.0018**		0.000024	0.0000019	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-196	**0.0025**	**E**	0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-197	**0.00018**		0.000024	0.000016	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-198/199	**0.0056**	**E**	0.000047	0.000024	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-200	**0.00082**		0.000024	0.000019	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-201	**0.00070**		0.000024	0.000017	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-202	**0.0011**		0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-203	**0.0036**	**E**	0.000024	0.000022	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-204	0.000018	U	0.000024	0.000018	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-205	**0.00023**	**F1**	0.000024	0.0000013	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-206	**0.0025**	**E F2**	0.000024	0.0000011	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-207	**0.00033**		0.000024	0.00000081	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-208	**0.00060**	**F1**	0.000024	0.00000090	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1
PCB-209	**0.00024**	**B F1**	0.000024	0.00000026	mg/Kg	☼	11/02/17 12:52	11/21/17 23:53	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*39*		*5 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-3L	*44*		*5 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-4L	*46*		*5 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-15L	*54*		*5 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-19L	*52*		*5 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-37L	*59*		*5 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-54L	*32*	*q*	*5 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-77L	*80*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-81L	*79*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-104L	*53*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-105L	*90*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-114L	*90*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-118L	*87*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-123L	*87*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-126L	*99*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-155L	*63*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-156L/157L	*97*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-167L	*97*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-169L	*98*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-188L	*71*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-189L	*99*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-202L	*79*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-205L	*91*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-206L	*84*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-208L	*99*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*
PCB-209L	*93*		*10 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*55*		*5 - 145*	*11/02/17 12:52*	*11/21/17 23:53*	*1*

Client Sample ID: SB-204-1 (0-2) (102617)

Lab Sample ID: 680-144854-12

Date Collected: 10/26/17 15:00
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 85.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-111L	81		10 - 145	11/02/17 12:52	11/21/17 23:53	1
PCB-178L	96		10 - 145	11/02/17 12:52	11/21/17 23:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-52	0.052	E B	0.00047	0.000050	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20
PCB-86/87/97/108/119/125	0.084	B	0.0028	0.0012	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20
PCB-90/101/113	0.12	B	0.0014	0.0012	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20
PCB-95	0.081	E G B	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20
PCB-105	0.056	E G B F2	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20
PCB-110/115	0.15	E G B	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20
PCB-118	0.13	E G B F2	0.00098	0.00098	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20
PCB-129/138/163	0.15	E B	0.0014	0.00051	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20
PCB-147/149	0.077	B	0.00095	0.00053	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20
PCB-153/168	0.091	B	0.00095	0.00045	mg/Kg	☼	11/02/17 12:52	11/29/17 07:37	20

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	46		5 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-3L	46		5 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-4L	49		5 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-15L	56		5 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-19L	50		5 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-37L	56		5 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-54L	43		5 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-77L	68		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-81L	70		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-104L	56		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-105L	80		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-114L	73		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-118L	82		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-123L	72		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-126L	81		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-155L	58		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-156L/157L	84		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-167L	85		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-169L	86		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-188L	73		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-189L	85		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-202L	80		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-205L	92		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-206L	85		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-208L	86		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-209L	92		10 - 145	11/02/17 12:52	11/29/17 07:37	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	50		5 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-111L	68		10 - 145	11/02/17 12:52	11/29/17 07:37	20
PCB-178L	90		10 - 145	11/02/17 12:52	11/29/17 07:37	20

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-204-1 (0-2) (102617)

Date Collected: 10/26/17 15:00
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-12

Matrix: Solid
Percent Solids: 85.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000019	U G	0.0000019	0.0000019	mg/Kg	☼	11/02/17 12:58	11/15/17 23:48	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*85*		*40 - 135*	*11/02/17 12:58*	*11/15/17 23:48*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*74*		*40 - 135*	*11/02/17 12:58*	*11/15/17 23:48*	*1*
13C-1,2,3,4,7,8-HxCDF	*101*		*40 - 135*	*11/02/17 12:58*	*11/15/17 23:48*	*1*
13C-1,2,3,6,7,8-HxCDD	*89*		*40 - 135*	*11/02/17 12:58*	*11/15/17 23:48*	*1*
13C-1,2,3,7,8-PeCDD	*92*		*40 - 135*	*11/02/17 12:58*	*11/15/17 23:48*	*1*
13C-1,2,3,7,8-PeCDF	*89*		*40 - 135*	*11/02/17 12:58*	*11/15/17 23:48*	*1*
13C-2,3,7,8-TCDD	*44*		*40 - 135*	*11/02/17 12:58*	*11/15/17 23:48*	*1*
13C-2,3,7,8-TCDF	*84*		*40 - 135*	*11/02/17 12:58*	*11/15/17 23:48*	*1*
13C-OCDD	*105*		*40 - 135*	*11/02/17 12:58*	*11/15/17 23:48*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*98*		*40 - 135*	*11/02/17 12:58*	*11/17/17 01:48*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**1.6**		0.0000020	0.0000050	mg/Kg			12/08/17 11:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-204-2 (0-2) (102617)

Lab Sample ID: 680-144854-13

Date Collected: 10/26/17 15:10
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 86.1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00022	J	0.00047	0.0000021	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-2	0.000029	J	0.00047	0.0000017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-3	0.000096	J	0.00047	0.0000019	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-4	0.00019	J	0.00047	0.000019	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-5	0.000023	J	0.00047	0.000016	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-6	0.000082	J	0.00047	0.000017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-7	0.000025	J	0.00047	0.000016	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-8	0.00046	J	0.00047	0.000017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-9	0.000031	J	0.00047	0.000017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-10	0.000014	U	0.00047	0.000014	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-11	0.000016	U	0.00047	0.000016	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-12/13	0.000052	J	0.00093	0.000016	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-14	0.000014	U	0.00047	0.000014	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-15	0.00015	J	0.00047	0.000017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-16	0.00021	J	0.00047	0.0000054	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-17	0.00053		0.00047	0.0000040	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-18/30	0.00052	J B	0.00093	0.0000036	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-19	0.00011	J	0.00047	0.0000049	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-20/28	0.0018	B	0.00093	0.000024	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-21/33	0.0011	B	0.00093	0.000023	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-22	0.00026	J	0.00047	0.000025	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-23	0.000023	U	0.00047	0.000023	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-24	0.0000036	J	0.00047	0.0000032	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-25	0.00012	J	0.00047	0.000023	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-26/29	0.00013	J	0.00093	0.000023	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-27	0.000046	J	0.00047	0.0000031	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-31	0.0010	B	0.00047	0.000022	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-32	0.00075		0.00047	0.0000029	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-34	0.000037	J	0.00047	0.000024	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-35	0.000036	J	0.00047	0.000024	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-36	0.000022	U	0.00047	0.000022	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-37	0.00038	J	0.00047	0.000025	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-38	0.000025	U	0.00047	0.000025	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-39	0.000022	U	0.00047	0.000022	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-40/71	0.0054	B	0.00093	0.000037	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-41	0.000068	J	0.00047	0.000044	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-42	0.0022	B	0.00047	0.000041	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-43	0.00013	J	0.00047	0.000045	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-44/47/65	0.021	B	0.0014	0.000035	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-45	0.000042	U	0.00047	0.000042	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-46	0.00052		0.00047	0.000044	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-48	0.00043	J B	0.00047	0.000037	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-49/69	0.014	B	0.00093	0.000031	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-50/53	0.0033	B	0.00093	0.000036	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-51	0.0023		0.00047	0.000035	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-52	0.039	B	0.00047	0.000038	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-54	0.00011	J	0.00047	0.0000015	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-55	0.00017	U	0.00047	0.00017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-56	0.0029		0.00047	0.00018	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20

Client Sample ID: SB-204-2 (0-2) (102617)

Date Collected: 10/26/17 15:10
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-13

Matrix: Solid
Percent Solids: 86.1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.00017	U	0.00047	0.00017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-58	0.00017	U	0.00047	0.00017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-59/62/75	**0.00049**	**J**	0.0014	0.000027	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-60	**0.0010**		0.00047	0.00017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-61/70/74/76	**0.033**	**B**	0.0019	0.00017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-63	**0.00043**	**J**	0.00047	0.00015	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-64	**0.0042**	**B**	0.00047	0.000026	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-66	**0.016**	**B**	0.00047	0.00017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-67	0.00016	U	0.00047	0.00016	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-68	**0.00030**	**J**	0.00047	0.00015	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-72	**0.00039**	**J**	0.00047	0.00016	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-73	**0.000091**	**J**	0.00047	0.000028	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-77	**0.0014**	**G**	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-78	0.00017	U	0.00047	0.00017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-79	**0.00064**		0.00047	0.00015	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-80	0.00015	U	0.00047	0.00015	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-81	0.00018	U G	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-82	**0.0084**	**G**	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-83	0.0013	U G	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-84	**0.019**	**G B**	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-85/116/117	**0.014**		0.0014	0.00082	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-86/87/97/108/119/125	**0.058**	**B**	0.0028	0.00086	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-88/91	**0.011**	**G**	0.00095	0.00095	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-89	0.0010	U G	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-90/101/113	**0.087**	**B**	0.0014	0.00087	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-92	**0.017**	**G B**	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-93/100	0.00094	U G	0.00094	0.00094	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-107/124	**0.0039**		0.00093	0.00076	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-94	0.00099	U G	0.00099	0.00099	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-95	**0.058**	**E G B**	0.00094	0.00094	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-96	**0.00050**		0.00047	0.0000018	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-98/102	**0.0012**		0.00093	0.00092	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-99	**0.036**	**G B**	0.00080	0.00080	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-103	0.00086	U G	0.00086	0.00086	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-104	**0.000021**	**J**	0.00047	0.0000018	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-105	**0.039**	**G B**	0.00080	0.00080	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-106	0.00078	U G	0.00078	0.00078	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-110/115	**0.11**	**E B**	0.00093	0.00075	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-109	**0.0070**	**G**	0.00072	0.00072	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-111	0.00074	U G	0.00074	0.00074	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-112	0.00076	U G	0.00076	0.00076	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-114	**0.0015**	**G**	0.00081	0.00081	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-118	**0.096**	**E G B**	0.00072	0.00072	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-120	0.00070	U G	0.00070	0.00070	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-121	0.00070	U G	0.00070	0.00070	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-122	0.00083	U G	0.00083	0.00083	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-123	**0.0013**	**G**	0.00084	0.00084	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-126	0.00080	U G	0.00080	0.00080	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-127	0.00078	U G	0.00078	0.00078	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20

Client Sample ID: SB-204-2 (0-2) (102617)

Date Collected: 10/26/17 15:10
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-13

Matrix: Solid
Percent Solids: 86.1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	0.020	B	0.00093	0.00036	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-129/138/163	0.11	B	0.0014	0.00038	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-130	0.0075	G	0.00048	0.00048	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-131	0.0012		0.00047	0.00044	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-132	0.031	B	0.00047	0.00044	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-133	0.0011		0.00047	0.00043	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-134/143	0.0048		0.00093	0.00045	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-135/151	0.019	B	0.00093	0.00041	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-136	0.0080	B	0.00047	0.00030	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-137	0.0057		0.00047	0.00036	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-139/140	0.0017		0.00093	0.00039	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-141	0.014	B	0.00047	0.00043	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-142	0.00046	U	0.00047	0.00046	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-144	0.0027		0.00047	0.00039	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-145	0.00030	U	0.00047	0.00030	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-146	0.011		0.00047	0.00037	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-147/149	0.055	B	0.00093	0.00039	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-148	0.00039	U	0.00047	0.00039	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-150	0.00028	U	0.00047	0.00028	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-152	0.00029	U	0.00047	0.00029	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-153/168	0.065	B	0.00093	0.00033	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-154	0.00038	J	0.00047	0.00035	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-155	0.00030	U	0.00047	0.00030	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-156/157	0.016	G B	0.00012	0.00012	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-158	0.011	B	0.00047	0.00030	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-159	0.00019	J	0.00047	0.000086	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-160	0.00037	U	0.00047	0.00037	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-161	0.00034	U	0.00047	0.00034	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-162	0.00033	J	0.00047	0.000083	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-164	0.0070		0.00047	0.00036	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-165	0.00035	U	0.00047	0.00035	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-167	0.0046	G	0.000076	0.000076	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-169	0.000076	U G	0.000076	0.000076	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-170	0.010	B	0.00047	0.000014	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-171/173	0.0033		0.00093	0.000015	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-172	0.0015		0.00047	0.000014	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-174	0.0085	B	0.00047	0.000015	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-175	0.00034	J	0.00047	0.0000040	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-176	0.00086		0.00047	0.0000029	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-177	0.0049		0.00047	0.000014	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-178	0.0014		0.00047	0.0000042	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-179	0.0025		0.00047	0.0000031	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-180/193	0.016	B	0.00093	0.000012	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-181	0.00023	J	0.00047	0.000013	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-182	0.000078	J	0.00047	0.0000038	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-183	0.0039	B	0.00047	0.000011	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-184	0.0000032	U	0.00047	0.0000032	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-185	0.00056		0.00047	0.000014	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-186	0.0000031	U	0.00047	0.0000031	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20

Client Sample ID: SB-204-2 (0-2) (102617)

Date Collected: 10/26/17 15:10
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-13

Matrix: Solid
Percent Solids: 86.1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	**0.0075**	**B**	0.00047	0.0000038	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-188	**0.000013**	**J**	0.00047	0.0000034	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-189	**0.00045**		0.000047	0.0000024	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-190	**0.0018**	**B**	0.00047	0.000010	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-191	**0.00037**	**J**	0.00047	0.000011	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-192	0.000011	U	0.00047	0.000011	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-194	**0.0021**	**B**	0.00047	0.0000022	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-195	**0.00076**		0.00047	0.0000024	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-196	**0.0011**		0.00047	0.0000073	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-197	**0.000086**	**J**	0.00047	0.0000051	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-198/199	**0.0025**		0.00093	0.0000078	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-200	**0.00032**	**J**	0.00047	0.0000062	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-201	**0.00029**	**J**	0.00047	0.0000056	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-202	**0.00049**		0.00047	0.0000067	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-203	**0.0016**		0.00047	0.0000073	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-204	0.0000058	U	0.00047	0.0000058	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-205	**0.00012**	**J**	0.00047	0.0000017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-206	**0.0012**		0.00047	0.0000057	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-207	**0.00016**	**J**	0.00047	0.0000045	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-208	**0.00029**	**J**	0.00047	0.0000055	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20
PCB-209	**0.00010**	**J B**	0.00047	0.0000017	mg/Kg	☼	11/02/17 12:52	11/29/17 11:22	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*50*		*5 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-3L	*53*		*5 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-4L	*53*		*5 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-15L	*61*		*5 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-19L	*67*		*5 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-37L	*63*		*5 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-54L	*52*		*5 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-77L	*73*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-81L	*74*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-104L	*62*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-105L	*84*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-114L	*79*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-118L	*85*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-123L	*76*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-126L	*86*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-155L	*68*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-156L/157L	*88*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-167L	*89*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-169L	*100*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-188L	*85*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-189L	*92*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-202L	*92*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-205L	*99*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-206L	*96*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-208L	*92*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-209L	*103*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*

Client Sample ID: SB-204-2 (0-2) (102617)

Lab Sample ID: 680-144854-13

Date Collected: 10/26/17 15:10
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 86.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*56*		*5 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-111L	*74*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*
PCB-178L	*101*		*10 - 145*	*11/02/17 12:52*	*11/29/17 11:22*	*20*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000015	U G	0.0000015	0.0000015	mg/Kg	☼	11/02/17 12:58	11/16/17 02:14	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*109*		*40 - 135*	*11/02/17 12:58*	*11/16/17 02:14*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*99*		*40 - 135*	*11/02/17 12:58*	*11/16/17 02:14*	*1*
13C-1,2,3,4,7,8-HxCDF	*98*		*40 - 135*	*11/02/17 12:58*	*11/16/17 02:14*	*1*
13C-1,2,3,6,7,8-HxCDD	*93*		*40 - 135*	*11/02/17 12:58*	*11/16/17 02:14*	*1*
13C-1,2,3,7,8-PeCDD	*93*		*40 - 135*	*11/02/17 12:58*	*11/16/17 02:14*	*1*
13C-1,2,3,7,8-PeCDF	*95*		*40 - 135*	*11/02/17 12:58*	*11/16/17 02:14*	*1*
13C-2,3,7,8-TCDD	*58*		*40 - 135*	*11/02/17 12:58*	*11/16/17 02:14*	*1*
13C-2,3,7,8-TCDF	*92*		*40 - 135*	*11/02/17 12:58*	*11/16/17 02:14*	*1*
13C-OCDD	*113*		*40 - 135*	*11/02/17 12:58*	*11/16/17 02:14*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*95*		*40 - 135*	*11/02/17 12:58*	*11/17/17 03:42*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**1.2**		0.0000020	0.0000050	mg/Kg			12/08/17 11:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-204-3 (0-2) (102617)

Date Collected: 10/26/17 15:20
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-14

Matrix: Solid
Percent Solids: 79.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000014	J	0.00050	0.0000017	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-2	0.0000039	J	0.00050	0.0000015	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-3	0.0000091	J	0.00050	0.0000018	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-4	0.000059	J	0.00050	0.000023	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-5	0.000018	U	0.00050	0.000018	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-6	0.000031	J	0.00050	0.000019	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-7	0.000018	U	0.00050	0.000018	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-8	0.00012	J	0.00050	0.000018	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-9	0.000019	U	0.00050	0.000019	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-10	0.000020	U	0.00050	0.000020	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-11	0.000055	J	0.00050	0.000018	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-12/13	0.000018	U	0.0010	0.000018	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-14	0.000016	U	0.00050	0.000016	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-15	0.00013	J	0.00050	0.000021	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-16	0.00021	J	0.00050	0.0000094	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-17	0.00020	J	0.00050	0.0000071	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-18/30	0.00057	J B	0.0010	0.0000062	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-19	0.000066	J	0.00050	0.0000071	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-20/28	0.00069	J B	0.0010	0.000022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-21/33	0.00039	J B	0.0010	0.000020	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-22	0.00031	J	0.00050	0.000022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-23	0.000021	U	0.00050	0.000021	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-24	0.0000066	J	0.00050	0.0000057	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-25	0.000045	J	0.00050	0.000021	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-26/29	0.00016	J	0.0010	0.000021	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-27	0.000049	J	0.00050	0.0000054	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-31	0.0011	B	0.00050	0.000020	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-32	0.00020	J	0.00050	0.0000051	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-34	0.000022	U	0.00050	0.000022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-35	0.00012	J	0.00050	0.000022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-36	0.000020	U	0.00050	0.000020	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-37	0.00082		0.00050	0.000026	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-38	0.000022	U	0.00050	0.000022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-39	0.000020	U	0.00050	0.000020	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-40/71	0.0043	B	0.0010	0.000062	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-41	0.00029	J	0.00050	0.000072	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-42	0.0019	B	0.00050	0.000067	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-43	0.00014	J	0.00050	0.000074	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-44/47/65	0.022	B	0.0015	0.000058	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-45	0.00059		0.00050	0.000070	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-46	0.00029	J	0.00050	0.000073	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-48	0.0011	B	0.00050	0.000062	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-49/69	0.012	B	0.0010	0.000051	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-50/53	0.0014	B	0.0010	0.000059	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-51	0.00023	J	0.00050	0.000058	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-52	0.065	E B	0.00050	0.000062	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-54	0.000018	J	0.00050	0.0000027	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-55	0.00030	U	0.00050	0.00030	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-56	0.0071		0.00050	0.00031	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20

Client Sample ID: SB-204-3 (0-2) (102617)

Date Collected: 10/26/17 15:20
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-14

Matrix: Solid
Percent Solids: 79.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.00030	U	0.00050	0.00030	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-58	0.00029	U	0.00050	0.00029	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-59/62/75	**0.00056**	**J**	0.0015	0.000045	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-60	**0.0024**		0.00050	0.00030	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-61/70/74/76	**0.067**	**B**	0.0020	0.00029	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-63	**0.00060**		0.00050	0.00027	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-64	**0.0076**	**B**	0.00050	0.000043	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-66	**0.017**	**B**	0.00050	0.00030	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-67	0.00028	U	0.00050	0.00028	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-68	0.00026	U	0.00050	0.00026	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-72	0.00028	U	0.00050	0.00028	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-73	0.000047	U	0.00050	0.000047	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-77	**0.0074**	**G**	0.00036	0.00036	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-78	0.00030	U	0.00050	0.00030	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-79	**0.0020**		0.00050	0.00027	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-80	0.00026	U	0.00050	0.00026	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-81	**0.0027**	**G**	0.00034	0.00034	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-82	**0.025**	**G**	0.0034	0.0034	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-83	0.0037	U G	0.0037	0.0037	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-84	**0.047**	**G B**	0.0031	0.0031	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-85/116/117	**0.032**	**G**	0.0023	0.0023	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-86/87/97/108/119/125	**0.16**	**B**	0.0030	0.0024	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-88/91	**0.022**	**G**	0.0027	0.0027	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-89	0.0030	U G	0.0030	0.0030	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-90/101/113	**0.24**	**E G B**	0.0025	0.0025	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-92	**0.043**	**G B**	0.0029	0.0029	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-93/100	0.0027	U G	0.0027	0.0027	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-107/124	**0.0088**	**G**	0.0022	0.0022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-94	0.0028	U G	0.0028	0.0028	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-95	**0.14**	**E G B**	0.0027	0.0027	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-96	**0.00079**		0.00050	0.0000062	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-98/102	**0.0037**	**G**	0.0026	0.0026	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-99	**0.090**	**E G B**	0.0023	0.0023	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-103	0.0025	U G	0.0025	0.0025	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-104	**0.000013**	**J**	0.00050	0.0000052	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-105	**0.10**	**E G B**	0.0023	0.0023	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-106	0.0022	U G	0.0022	0.0022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-110/115	**0.29**	**E G B**	0.0022	0.0022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-109	**0.020**	**G**	0.0020	0.0020	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-111	0.0021	U G	0.0021	0.0021	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-112	0.0022	U G	0.0022	0.0022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-114	**0.0041**	**G**	0.0026	0.0026	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-118	**0.24**	**E G B**	0.0021	0.0021	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-120	0.0020	U G	0.0020	0.0020	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-121	0.0020	U G	0.0020	0.0020	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-122	0.0024	U G	0.0024	0.0024	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-123	0.0025	U G	0.0025	0.0025	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-126	**0.0049**	**G**	0.0026	0.0026	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-127	0.0022	U G	0.0022	0.0022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20

Client Sample ID: SB-204-3 (0-2) (102617)

Date Collected: 10/26/17 15:20
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-14

Matrix: Solid
Percent Solids: 79.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	0.060	G B	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-129/138/163	0.35	E B	0.0015	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-130	0.026	G	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-131	0.0044	G	0.0015	0.0015	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-132	0.10	E G B	0.0015	0.0015	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-133	0.0037	G	0.0015	0.0015	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-134/143	0.016	G	0.0015	0.0015	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-135/151	0.064	G B	0.0014	0.0014	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-136	0.026	G B	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-137	0.016	G	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-139/140	0.0061	G	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-141	0.041	G B	0.0015	0.0015	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-142	0.0016	U G	0.0016	0.0016	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-144	0.0098	G	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-145	0.0010	U G	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-146	0.041	G	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-147/149	0.18	E G B	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-148	0.0013	U G	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-150	0.00094	U G	0.00094	0.00094	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-152	0.00097	U G	0.00097	0.00097	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-153/168	0.22	E G B	0.0011	0.0011	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-154	0.0023	G	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-155	0.00086	U G	0.00086	0.00086	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-156/157	0.042	G B	0.00031	0.00031	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-158	0.033	G B	0.0010	0.0010	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-159	0.00073		0.00050	0.00022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-160	0.0013	U G	0.0013	0.0013	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-161	0.0012	U G	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-162	0.0014		0.00050	0.00022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-164	0.023	G	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-165	0.0012	U G	0.0012	0.0012	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-167	0.018	G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-169	0.00022	U G	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-170	0.029	B	0.00050	0.000052	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-171/173	0.010		0.0010	0.000053	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-172	0.0046		0.00050	0.000052	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-174	0.025	B	0.00050	0.000057	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-175	0.0014		0.00050	0.000020	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-176	0.0030		0.00050	0.000014	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-177	0.017		0.00050	0.000052	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-178	0.0049		0.00050	0.000021	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-179	0.0089		0.00050	0.000015	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-180/193	0.047	B	0.0010	0.000043	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-181	0.00043	J	0.00050	0.000047	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-182	0.00023	J	0.00050	0.000019	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-183	0.014	B	0.00050	0.000041	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-184	0.000076	J	0.00050	0.000016	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-185	0.0012		0.00050	0.000050	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-186	0.000015	U	0.00050	0.000015	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20

Client Sample ID: SB-204-3 (0-2) (102617)

Date Collected: 10/26/17 15:20
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-14

Matrix: Solid
Percent Solids: 79.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	**0.027**	**B**	0.00050	0.000019	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-188	**0.00010**	**J**	0.00050	0.000016	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-189	**0.0012**		0.000050	0.0000089	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-190	**0.0039**	**B**	0.00050	0.000038	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-191	**0.0012**		0.00050	0.000039	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-192	0.000040	U	0.00050	0.000040	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-194	**0.0060**	**B**	0.00050	0.000010	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-195	**0.0019**		0.00050	0.000011	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-196	**0.0036**		0.00050	0.0000077	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-197	**0.00032**	**J**	0.00050	0.0000054	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-198/199	**0.0072**		0.0010	0.0000082	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-200	**0.00073**		0.00050	0.0000066	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-201	**0.0010**		0.00050	0.0000059	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-202	**0.0014**		0.00050	0.0000069	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-203	**0.0039**		0.00050	0.0000077	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-204	0.0000061	U	0.00050	0.0000061	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-205	**0.00031**	**J**	0.00050	0.0000079	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-206	**0.0029**		0.00050	0.000021	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-207	**0.00039**	**J**	0.00050	0.000016	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-208	**0.00064**		0.00050	0.000019	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20
PCB-209	**0.00027**	**J B**	0.00050	0.0000051	mg/Kg	☼	11/02/17 12:52	11/29/17 12:37	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*53*		*5 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-3L	*49*		*5 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-4L	*46*		*5 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-15L	*37*		*5 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-19L	*40*		*5 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-37L	*30*		*5 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-54L	*29*		*5 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-77L	*30*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-81L	*31*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-104L	*30*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-105L	*33*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-114L	*29*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-118L	*34*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-123L	*29*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-126L	*31*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-155L	*26*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-156L/157L	*29*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-167L	*28*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-169L	*27*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-188L	*30*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-189L	*28*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-202L	*30*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-205L	*31*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-206L	*29*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-208L	*29*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-209L	*32*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*

Client Sample ID: SB-204-3 (0-2) (102617)

Date Collected: 10/26/17 15:20
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-14

Matrix: Solid
Percent Solids: 79.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*66*		*5 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-111L	*84*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*
PCB-178L	*100*		*10 - 145*	*11/02/17 12:52*	*11/29/17 12:37*	*20*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000022	U	0.0000022	0.0000022	mg/Kg	☼	11/02/17 12:58	11/16/17 10:00	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*40*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:00*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*37*	*	*40 - 135*	*11/02/17 12:58*	*11/16/17 10:00*	*1*
13C-1,2,3,4,7,8-HxCDF	*36*	*	*40 - 135*	*11/02/17 12:58*	*11/16/17 10:00*	*1*
13C-1,2,3,6,7,8-HxCDD	*34*	*	*40 - 135*	*11/02/17 12:58*	*11/16/17 10:00*	*1*
13C-1,2,3,7,8-PeCDD	*30*	*	*40 - 135*	*11/02/17 12:58*	*11/16/17 10:00*	*1*
13C-1,2,3,7,8-PeCDF	*32*	*	*40 - 135*	*11/02/17 12:58*	*11/16/17 10:00*	*1*
13C-2,3,7,8-TCDD	*20*	*	*40 - 135*	*11/02/17 12:58*	*11/16/17 10:00*	*1*
13C-2,3,7,8-TCDF	*31*	*	*40 - 135*	*11/02/17 12:58*	*11/16/17 10:00*	*1*
13C-OCDD	*43*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:00*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*34*	*	*40 - 135*	*11/02/17 12:58*	*11/17/17 04:20*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**3.2**		0.0000020	0.0000050	mg/Kg			12/08/17 11:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-207-1 (0-2) (102617)

Lab Sample ID: 680-144854-15

Date Collected: 10/26/17 15:30
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 83.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0000025**	**J**	0.00012	0.0000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-2	**0.0000018**	**J**	0.00012	0.00000097	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-3	**0.0000027**	**J**	0.00012	0.0000010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-4	0.000019	U	0.00012	0.000019	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-5	0.000012	U	0.00012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-6	0.000012	U	0.00012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-7	0.000012	U	0.00012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-8	0.000012	U	0.00012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-9	0.000012	U	0.00012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-10	0.000014	U	0.00012	0.000014	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-11	0.000012	U	0.00012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-12/13	0.000012	U	0.00024	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-14	0.000010	U	0.00012	0.000010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-15	0.000012	U	0.00012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-16	**0.0000065**	**J**	0.00012	0.0000034	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-17	**0.0000045**	**J**	0.00012	0.0000025	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-18/30	**0.000011**	**J B**	0.00024	0.0000022	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-19	0.0000032	U	0.00012	0.0000032	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-20/28	**0.000024**	**J B**	0.00024	0.0000019	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-21/33	**0.000025**	**J B**	0.00024	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-22	**0.0000063**	**J**	0.00012	0.0000020	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-23	0.0000019	U	0.00012	0.0000019	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-24	0.0000020	U	0.00012	0.0000020	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-25	0.0000019	U	0.00012	0.0000019	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-26/29	0.0000019	U	0.00024	0.0000019	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-27	0.0000019	U	0.00012	0.0000019	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-31	**0.000026**	**J B**	0.00012	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-32	**0.0000029**	**J**	0.00012	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-34	0.0000019	U	0.00012	0.0000019	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-35	0.0000020	U	0.00012	0.0000020	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-36	0.0000018	U	0.00012	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-37	**0.000021**	**J**	0.00012	0.0000020	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-38	0.0000020	U	0.00012	0.0000020	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-39	0.0000018	U	0.00012	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-40/71	**0.000093**	**J B**	0.00024	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-41	0.0000021	U	0.00012	0.0000021	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-42	**0.000042**	**J B**	0.00012	0.0000019	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-43	0.0000021	U	0.00012	0.0000021	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-44/47/65	**0.00061**	**B**	0.00036	0.0000017	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-45	**0.000012**	**J**	0.00012	0.0000020	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-46	0.0000021	U	0.00012	0.0000021	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-48	**0.000017**	**J B**	0.00012	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-49/69	**0.00027**	**B**	0.00024	0.0000015	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-50/53	**0.000033**	**J B**	0.00024	0.0000017	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-51	**0.0000043**	**J**	0.00012	0.0000017	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-52	**0.0021**	**B**	0.00012	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-54	0.0000010	U	0.00012	0.0000010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-55	0.0000099	U	0.00012	0.0000099	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5

Client Sample ID: SB-207-1 (0-2) (102617)

Date Collected: 10/26/17 15:30
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-15

Matrix: Solid
Percent Solids: 83.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-56	**0.00018**		0.00012	0.000010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-57	0.0000099	U	0.00012	0.0000099	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-58	**0.00013**		0.00012	0.0000096	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-59/62/75	**0.000014**	**J**	0.00036	0.0000013	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-60	**0.000068**	**J**	0.00012	0.0000098	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-61/70/74/76	**0.0017**	**B**	0.00048	0.0000096	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-63	0.0000088	U	0.00012	0.0000088	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-64	**0.00025**	**B**	0.00012	0.0000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-66	**0.00058**	**B**	0.00012	0.000010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-67	0.0000092	U	0.00012	0.0000092	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-68	0.0000086	U	0.00012	0.0000086	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-72	0.0000093	U	0.00012	0.0000093	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-73	0.0000013	U	0.00012	0.0000013	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-77	**0.00012**		0.000012	0.0000096	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-78	0.000010	U	0.00012	0.000010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-79	**0.000053**	**J**	0.00012	0.0000089	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-80	0.0000085	U	0.00012	0.0000085	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-81	0.0000097	U	0.000012	0.0000097	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-82	**0.00078**	**G**	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-83	0.00018	U G	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-84	**0.0014**	**G B**	0.00016	0.00016	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-85/116/117	**0.0017**		0.00036	0.00012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-86/87/97/108/119/125	**0.0048**	**B**	0.00072	0.00012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-88/91	**0.00081**		0.00024	0.00013	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-89	0.00015	U G	0.00015	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-90/101/113	**0.0076**	**B**	0.00036	0.00012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-92	**0.0014**	**G B**	0.00014	0.00014	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-93/100	0.00013	U	0.00024	0.00013	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-107/124	**0.00040**		0.00024	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-94	0.00014	U G	0.00014	0.00014	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-95	**0.0051**	**G B**	0.00013	0.00013	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-96	**0.000029**	**J**	0.00012	0.00000054	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-98/102	0.00013	U	0.00024	0.00013	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-99	**0.0035**	**B**	0.00012	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-103	0.00012	U	0.00012	0.00012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-104	0.00000053	U	0.00012	0.00000053	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-105	**0.0043**	**G B**	0.00011	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-106	0.00011	U	0.00012	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-110/115	**0.012**	**B**	0.00024	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-109	**0.00069**		0.00012	0.00010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-111	0.00010	U	0.00012	0.00010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-112	0.00011	U	0.00012	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-114	**0.00014**	**G**	0.00011	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-118	**0.0094**	**G B**	0.00011	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-120	0.00010	U	0.00012	0.00010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-121	0.000099	U	0.00012	0.000099	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-122	0.00012	U	0.00012	0.00012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-123	**0.00014**	**G**	0.00011	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5

Client Sample ID: SB-207-1 (0-2) (102617)

Date Collected: 10/26/17 15:30
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-15

Matrix: Solid
Percent Solids: 83.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	0.00011	U G	0.00011	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-127	0.00011	U	0.00012	0.00011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-128/166	**0.0033**	**B**	0.00024	0.000062	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-129/138/163	**0.021**	**B**	0.00036	0.000066	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-130	**0.0012**		0.00012	0.000083	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-131	**0.00018**		0.00012	0.000076	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-132	**0.0055**	**B**	0.00012	0.000076	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-133	**0.00018**		0.00012	0.000075	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-134/143	**0.00075**		0.00024	0.000077	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-135/151	**0.0043**	**B**	0.00024	0.000070	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-136	**0.0016**	**B**	0.00012	0.000052	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-137	**0.00090**		0.00012	0.000062	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-139/140	**0.00027**		0.00024	0.000067	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-141	**0.0035**	**B**	0.00012	0.000074	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-142	0.000079	U	0.00012	0.000079	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-144	**0.00063**		0.00012	0.000068	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-145	0.000051	U	0.00012	0.000051	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-146	**0.0022**		0.00012	0.000064	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-147/149	**0.0097**	**B**	0.00024	0.000068	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-148	0.000068	U	0.00012	0.000068	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-150	0.000048	U	0.00012	0.000048	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-152	0.000049	U	0.00012	0.000049	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-153/168	**0.014**	**B**	0.00024	0.000057	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-154	0.000061	U	0.00012	0.000061	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-155	0.000049	U	0.00012	0.000049	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-156/157	**0.0023**	**B**	0.000024	0.000023	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-158	**0.0022**	**B**	0.00012	0.000052	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-159	**0.00013**		0.00012	0.000015	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-160	0.000064	U	0.00012	0.000064	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-161	0.000059	U	0.00012	0.000059	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-162	**0.000055**	**J**	0.00012	0.000014	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-164	**0.0014**		0.00012	0.000061	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-165	0.000060	U	0.00012	0.000060	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-167	**0.00072**	**G**	0.000013	0.000013	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-169	0.000012	U	0.000012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-170	**0.0039**	**B**	0.00012	0.0000048	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-171/173	**0.0013**		0.00024	0.0000049	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-172	**0.00065**		0.00012	0.0000047	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-174	**0.0042**	**B**	0.00012	0.0000052	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-175	**0.00017**		0.00012	0.0000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-176	**0.00044**		0.00012	0.00000084	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-177	**0.0022**		0.00012	0.0000048	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-178	**0.00069**		0.00012	0.0000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-179	**0.0013**		0.00012	0.00000088	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-180/193	**0.0080**	**B**	0.00024	0.0000039	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-181	**0.000036**	**J**	0.00012	0.0000043	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-182	**0.000017**	**J**	0.00012	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-183	**0.0019**	**B**	0.00012	0.0000037	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5

Client Sample ID: SB-207-1 (0-2) (102617)

Date Collected: 10/26/17 15:30
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-15

Matrix: Solid
Percent Solids: 83.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-184	0.00000092	U	0.00012	0.00000092	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-185	**0.00046**		0.00012	0.0000045	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-186	0.00000088	U	0.00012	0.00000088	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-187	**0.0040**	**B**	0.00012	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-188	0.00000095	U	0.00012	0.00000095	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-189	**0.00014**		0.000012	0.00000072	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-190	**0.00074**	**B**	0.00012	0.0000034	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-191	**0.00017**		0.00012	0.0000035	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-192	0.0000037	U	0.00012	0.0000037	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-194	**0.0013**	**B**	0.00012	0.0000014	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-195	**0.00057**		0.00012	0.0000015	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-196	**0.00074**		0.00012	0.0000010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-197	**0.000057**	**J**	0.00012	0.00000072	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-198/199	**0.0014**		0.00024	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-200	**0.00020**		0.00012	0.00000087	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-201	**0.00014**		0.00012	0.00000078	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-202	**0.00022**		0.00012	0.00000084	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-203	**0.00088**		0.00012	0.0000010	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-204	0.00000081	U	0.00012	0.00000081	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-205	**0.000074**	**J**	0.00012	0.0000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-206	**0.00033**		0.00012	0.0000014	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-207	**0.000041**	**J**	0.00012	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-208	**0.000080**	**J**	0.00012	0.0000012	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5
PCB-209	**0.00016**	**B**	0.00012	0.00000032	mg/Kg	☼	11/02/17 12:52	11/28/17 17:29	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*48*		*5 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-3L	*55*		*5 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-4L	*57*		*5 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-15L	*69*		*5 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-19L	*67*		*5 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-37L	*73*		*5 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-54L	*58*		*5 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-77L	*84*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-81L	*87*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-104L	*74*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-105L	*96*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-114L	*94*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-118L	*94*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-123L	*93*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-126L	*100*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-155L	*72*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-156L/157L	*66*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*

Client Sample ID: SB-207-1 (0-2) (102617)

Lab Sample ID: 680-144854-15

Date Collected: 10/26/17 15:30
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 83.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-167L	*91*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-169L	*99*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-188L	*96*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-189L	*94*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-202L	*102*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-205L	*91*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-206L	*91*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-208L	*97*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-209L	*99*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*63*		*5 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-111L	*90*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*
PCB-178L	*105*		*10 - 145*	*11/02/17 12:52*	*11/28/17 17:29*	*5*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000041	U	0.0000012	0.0000004 1	mg/Kg	☼	11/02/17 12:58	11/16/17 10:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*97*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:49*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*94*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:49*	*1*
13C-1,2,3,4,7,8-HxCDF	*103*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:49*	*1*
13C-1,2,3,6,7,8-HxCDD	*85*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:49*	*1*
13C-1,2,3,7,8-PeCDD	*103*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:49*	*1*
13C-1,2,3,7,8-PeCDF	*76*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:49*	*1*
13C-2,3,7,8-TCDD	*64*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:49*	*1*
13C-2,3,7,8-TCDF	*63*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:49*	*1*
13C-OCDD	*118*		*40 - 135*	*11/02/17 12:58*	*11/16/17 10:49*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**0.17**		0.0000020	0.0000050	mg/Kg			12/08/17 11:12	1

Client Sample ID: SB-207-2 (0-2) (102617)

Lab Sample ID: 680-144854-16

Date Collected: 10/26/17 15:40
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 79.1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0000046**	**J**	0.00013	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-2	**0.0000031**	**J**	0.00013	0.00000089	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-3	**0.0000053**	**J**	0.00013	0.00000094	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-4	0.000022	U	0.00013	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-5	0.000011	U	0.00013	0.000011	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-6	0.000012	U	0.00013	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-7	0.000012	U	0.00013	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-8	**0.000016**	**J**	0.00013	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-9	0.000012	U	0.00013	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-10	0.000014	U	0.00013	0.000014	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-11	0.000012	U	0.00013	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-12/13	0.000012	U	0.00025	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-14	0.000010	U	0.00013	0.000010	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-15	**0.000012**	**J**	0.00013	0.000011	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-16	**0.000023**	**J**	0.00013	0.0000056	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-17	**0.000023**	**J**	0.00013	0.0000042	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-18/30	**0.000058**	**J B**	0.00025	0.0000037	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-19	**0.000011**	**J**	0.00013	0.0000039	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-20/28	**0.000095**	**J B**	0.00025	0.0000049	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-21/33	**0.000083**	**J B**	0.00025	0.0000046	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-22	**0.000023**	**J**	0.00013	0.0000050	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-23	0.0000047	U	0.00013	0.0000047	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-24	0.0000034	U	0.00013	0.0000034	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-25	0.0000047	U	0.00013	0.0000047	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-26/29	**0.000016**	**J**	0.00025	0.0000047	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-27	0.0000032	U	0.00013	0.0000032	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-31	**0.000089**	**J B**	0.00013	0.0000045	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-32	**0.000029**	**J**	0.00013	0.0000031	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-34	0.0000049	U	0.00013	0.0000049	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-35	0.0000050	U	0.00013	0.0000050	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-36	0.0000046	U	0.00013	0.0000046	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-37	**0.000039**	**J**	0.00013	0.0000064	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-38	0.0000050	U	0.00013	0.0000050	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-39	0.0000045	U	0.00013	0.0000045	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-40/71	**0.00025**	**B**	0.00025	0.0000036	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-41	0.0000043	U	0.00013	0.0000043	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-42	**0.00012**	**J B**	0.00013	0.0000040	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-43	**0.0000075**	**J**	0.00013	0.0000043	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-44/47/65	**0.0015**	**B**	0.00038	0.0000034	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-45	**0.000031**	**J**	0.00013	0.0000041	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-46	**0.000022**	**J**	0.00013	0.0000043	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-48	**0.000056**	**J B**	0.00013	0.0000036	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-49/69	**0.00079**	**B**	0.00025	0.0000030	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-50/53	**0.00010**	**J B**	0.00025	0.0000035	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-51	**0.000026**	**J**	0.00013	0.0000034	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-52	**0.0045**	**B**	0.00013	0.0000037	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-54	**0.0000021**	**J**	0.00013	0.00000061	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5

Client Sample ID: SB-207-2 (0-2) (102617)

Date Collected: 10/26/17 15:40
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-16

Matrix: Solid
Percent Solids: 79.1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-55	0.000025	U	0.00013	0.000025	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-56	**0.000069**	**J**	0.00013	0.000026	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-57	0.000024	U	0.00013	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-58	**0.00031**		0.00013	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-59/62/75	**0.000037**	**J**	0.00038	0.0000027	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-60	**0.00026**		0.00013	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-61/70/74/76	**0.0035**	**B**	0.00051	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-63	**0.000030**	**J**	0.00013	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-64	**0.00037**	**B**	0.00013	0.0000025	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-66	**0.0010**	**B**	0.00013	0.000025	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-67	0.000023	U	0.00013	0.000023	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-68	0.000021	U	0.00013	0.000021	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-72	0.000023	U	0.00013	0.000023	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-73	0.0000028	U	0.00013	0.0000028	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-77	**0.00018**	**G**	0.000025	0.000025	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-78	0.000025	U	0.00013	0.000025	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-79	**0.000098**	**J**	0.00013	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-80	0.000021	U	0.00013	0.000021	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-81	0.000024	U G	0.000024	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-82	**0.0018**	**G**	0.00035	0.00035	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-83	0.00038	U G	0.00038	0.00038	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-84	**0.0044**	**G B**	0.00033	0.00033	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-85/116/117	**0.0025**		0.00038	0.00024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-86/87/97/108/119/125	**0.011**	**B**	0.00076	0.00025	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-88/91	**0.0020**	**G**	0.00028	0.00028	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-89	0.00031	U G	0.00031	0.00031	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-90/101/113	**0.017**	**B**	0.00038	0.00026	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-92	0.00030	U G	0.00030	0.00030	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-93/100	0.00028	U G	0.00028	0.00028	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-107/124	**0.00055**		0.00025	0.00023	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-94	0.00030	U G	0.00030	0.00030	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-95	**0.013**	**E G B**	0.00028	0.00028	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-96	**0.000070**	**J**	0.00013	0.00000077	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-98/102	0.00027	U G	0.00027	0.00027	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-99	**0.0066**	**G B**	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-103	0.00026	U G	0.00026	0.00026	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-104	0.00000078	U	0.00013	0.00000078	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-105	**0.0060**	**G B**	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-106	0.00023	U G	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-110/115	**0.026**	**E B**	0.00025	0.00022	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-109	**0.0011**	**G**	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-111	0.00022	U G	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-112	0.00023	U G	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-114	**0.00030**	**G**	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-118	**0.016**	**E G B**	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-120	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-121	0.00021	U G	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-122	0.00025	U G	0.00025	0.00025	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5

Client Sample ID: SB-207-2 (0-2) (102617)

Date Collected: 10/26/17 15:40
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-16

Matrix: Solid
Percent Solids: 79.1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-123	0.00024	U G	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-126	0.00024	U G	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-127	0.00023	U G	0.00023	0.00023	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-128/166	**0.0057**	**B**	0.00025	0.000074	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-129/138/163	**0.031**	**B**	0.00038	0.000079	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-130	**0.0023**		0.00013	0.000099	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-131	**0.00042**		0.00013	0.000091	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-132	**0.0099**	**B**	0.00013	0.000090	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-133	**0.00032**		0.00013	0.000089	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-134/143	**0.0016**		0.00025	0.000092	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-135/151	**0.0061**	**B**	0.00025	0.000083	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-136	**0.0026**	**B**	0.00013	0.000062	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-137	**0.0018**		0.00013	0.000074	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-139/140	**0.00053**		0.00025	0.000080	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-141	**0.0045**	**B**	0.00013	0.000088	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-142	0.000094	U	0.00013	0.000094	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-144	**0.00093**		0.00013	0.000080	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-145	0.000060	U	0.00013	0.000060	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-146	**0.0033**		0.00013	0.000076	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-147/149	**0.017**	**B**	0.00025	0.000081	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-148	0.000080	U	0.00013	0.000080	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-150	0.000057	U	0.00013	0.000057	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-152	0.000059	U	0.00013	0.000059	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-153/168	**0.018**	**B**	0.00025	0.000068	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-154	**0.00011**	**J**	0.00013	0.000073	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-155	0.000044	U	0.00013	0.000044	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-156/157	**0.0036**	**B**	0.000025	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-158	**0.0035**	**B**	0.00013	0.000062	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-159	**0.000074**	**J**	0.00013	0.000014	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-160	0.000076	U	0.00013	0.000076	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-161	0.000070	U	0.00013	0.000070	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-162	**0.00011**	**J**	0.00013	0.000013	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-164	**0.0021**		0.00013	0.000073	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-165	0.000072	U	0.00013	0.000072	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-167	**0.0012**		0.000013	0.000013	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-169	0.000013	U	0.000013	0.000013	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-170	**0.0033**	**B**	0.00013	0.0000042	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-171/173	**0.0011**		0.00025	0.0000043	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-172	**0.00048**		0.00013	0.0000042	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-174	**0.0028**	**B**	0.00013	0.0000046	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-175	**0.00012**	**J**	0.00013	0.0000017	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-176	**0.00029**		0.00013	0.0000012	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-177	**0.0015**		0.00013	0.0000042	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-178	**0.00041**		0.00013	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-179	**0.00077**		0.00013	0.0000013	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-180/193	**0.0052**	**B**	0.00025	0.0000035	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-181	**0.000066**	**J**	0.00013	0.0000038	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-182	**0.000020**	**J**	0.00013	0.0000016	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-183	**0.0013**	**B**	0.00013	0.0000033	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5

Client Sample ID: SB-207-2 (0-2) (102617)

Date Collected: 10/26/17 15:40
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-16

Matrix: Solid
Percent Solids: 79.1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-184	0.0000013	U	0.00013	0.0000013	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-185	**0.00022**		0.00013	0.0000040	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-186	0.0000013	U	0.00013	0.0000013	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-187	**0.0023**	**B**	0.00013	0.0000016	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-188	**0.0000028**	**J**	0.00013	0.0000013	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-189	**0.00014**		0.000013	0.0000010	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-190	**0.00055**	**B**	0.00013	0.0000031	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-191	**0.00013**		0.00013	0.0000031	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-192	0.0000033	U	0.00013	0.0000033	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-194	**0.00066**	**B**	0.00013	0.0000020	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-195	**0.00027**		0.00013	0.0000021	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-196	**0.00042**		0.00013	0.0000010	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-197	**0.000035**	**J**	0.00013	0.00000071	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-198/199	**0.00085**		0.00025	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-200	**0.00011**	**J**	0.00013	0.00000085	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-201	**0.000088**	**J**	0.00013	0.00000077	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-202	**0.00014**		0.00013	0.00000081	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-203	**0.00055**		0.00013	0.0000010	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-204	0.00000080	U	0.00013	0.00000080	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-205	**0.000040**	**J**	0.00013	0.0000017	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-206	**0.00040**		0.00013	0.0000019	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-207	**0.000061**	**J**	0.00013	0.0000014	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-208	**0.00012**	**J**	0.00013	0.0000016	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5
PCB-209	**0.00053**	**B**	0.00013	0.00000050	mg/Kg	☼	11/02/17 12:52	11/28/17 18:44	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*47*		*5 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-3L	*52*		*5 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-4L	*56*		*5 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-15L	*67*		*5 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-19L	*61*		*5 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-37L	*46*		*5 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-54L	*59*		*5 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-77L	*88*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-81L	*91*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-104L	*73*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-105L	*96*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-114L	*93*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-118L	*94*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-123L	*92*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-126L	*100*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-155L	*75*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-156L/157L	*74*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-167L	*91*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-169L	*93*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-188L	*107*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*

Client Sample ID: SB-207-2 (0-2) (102617)

Lab Sample ID: 680-144854-16

Date Collected: 10/26/17 15:40
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 79.1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-189L	*98*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-202L	*110*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-205L	*93*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-206L	*102*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-208L	*105*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-209L	*105*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*66*		*5 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-111L	*91*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*
PCB-178L	*107*		*10 - 145*	*11/02/17 12:52*	*11/28/17 18:44*	*5*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000045	U	0.0000013	0.00000045	mg/Kg	☼	11/02/17 12:58	11/16/17 11:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*106*		*40 - 135*	*11/02/17 12:58*	*11/16/17 11:38*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*98*		*40 - 135*	*11/02/17 12:58*	*11/16/17 11:38*	*1*
13C-1,2,3,4,7,8-HxCDF	*108*		*40 - 135*	*11/02/17 12:58*	*11/16/17 11:38*	*1*
13C-1,2,3,6,7,8-HxCDD	*91*		*40 - 135*	*11/02/17 12:58*	*11/16/17 11:38*	*1*
13C-1,2,3,7,8-PeCDD	*91*		*40 - 135*	*11/02/17 12:58*	*11/16/17 11:38*	*1*
13C-1,2,3,7,8-PeCDF	*91*		*40 - 135*	*11/02/17 12:58*	*11/16/17 11:38*	*1*
13C-2,3,7,8-TCDD	*82*		*40 - 135*	*11/02/17 12:58*	*11/16/17 11:38*	*1*
13C-2,3,7,8-TCDF	*87*		*40 - 135*	*11/02/17 12:58*	*11/16/17 11:38*	*1*
13C-OCDD	*108*		*40 - 135*	*11/02/17 12:58*	*11/16/17 11:38*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**0.26**		0.0000020	0.0000050	mg/Kg			12/08/17 11:12	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-207-3 (0-2) (102617)

Lab Sample ID: 680-144854-17

Date Collected: 10/26/17 15:50
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 89.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0000031	J	0.00011	0.00000088	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-2	0.0000010	J	0.00011	0.00000072	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-3	0.0000021	J	0.00011	0.00000076	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-4	0.000013	U	0.00011	0.000013	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-5	0.0000065	U	0.00011	0.0000065	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-6	0.0000068	U	0.00011	0.0000068	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-7	0.0000065	U	0.00011	0.0000065	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-8	0.000024	J	0.00011	0.0000066	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-9	0.0000067	U	0.00011	0.0000067	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-10	0.0000089	U	0.00011	0.0000089	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-11	0.0000065	U	0.00011	0.0000065	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-12/13	0.0000065	U	0.00022	0.0000065	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-14	0.0000057	U	0.00011	0.0000057	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-15	0.0000077	J	0.00011	0.0000065	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-16	0.000018	J	0.00011	0.0000051	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-17	0.000091	J	0.00011	0.0000039	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-18/30	0.000058	J B	0.00022	0.0000034	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-19	0.000021	J	0.00011	0.0000039	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-20/28	0.00077	B	0.00022	0.0000087	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-21/33	0.000070	J B	0.00022	0.0000082	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-22	0.000043	J	0.00011	0.0000089	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-23	0.0000084	U	0.00011	0.0000084	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-24	0.0000031	U	0.00011	0.0000031	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-25	0.0000084	U	0.00011	0.0000084	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-26/29	0.000012	J	0.00022	0.0000084	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-27	0.0000043	J	0.00011	0.0000029	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-31	0.00019	B	0.00011	0.0000079	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-32	0.00045		0.00011	0.0000028	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-34	0.0000086	U	0.00011	0.0000086	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-35	0.0000087	U	0.00011	0.0000087	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-36	0.0000081	U	0.00011	0.0000081	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-37	0.000031	J	0.00011	0.000010	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-38	0.0000089	U	0.00011	0.0000089	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-39	0.0000079	U	0.00011	0.0000079	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-40/71	0.0014	B	0.00022	0.0000067	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-41	0.0000078	U	0.00011	0.0000078	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-42	0.00044	B	0.00011	0.0000073	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-43	0.000018	J	0.00011	0.0000080	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-44/47/65	0.0039	B	0.00033	0.0000063	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-45	0.0000076	U	0.00011	0.0000076	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-46	0.00011		0.00011	0.0000079	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-48	0.000049	J B	0.00011	0.0000067	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-49/69	0.0023	B	0.00022	0.0000056	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-50/53	0.00057	B	0.00022	0.0000064	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-51	0.00052		0.00011	0.0000063	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-52	0.0046	B	0.00011	0.0000067	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5

Client Sample ID: SB-207-3 (0-2) (102617)

Date Collected: 10/26/17 15:50
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-17

Matrix: Solid
Percent Solids: 89.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-54	**0.000034**	**J**	0.00011	0.0000005 1	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-55	0.000024	U	0.00011	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-56	**0.00041**		0.00011	0.000025	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-57	0.000024	U	0.00011	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-58	**0.00025**		0.00011	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-59/62/75	**0.000099**	**J**	0.00033	0.0000049	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-60	**0.00011**		0.00011	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-61/70/74/76	**0.0036**	**B**	0.00045	0.000024	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-63	**0.000081**	**J**	0.00011	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-64	**0.00059**	**B**	0.00011	0.0000047	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-66	**0.0026**	**B**	0.00011	0.000025	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-67	0.000023	U	0.00011	0.000023	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-68	**0.000071**	**J**	0.00011	0.000021	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-72	**0.000062**	**J**	0.00011	0.000023	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-73	**0.000046**	**J**	0.00011	0.0000051	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-77	**0.00021**	**G**	0.000025	0.000025	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-78	0.000025	U	0.00011	0.000025	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-79	**0.00010**	**J**	0.00011	0.000022	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-80	0.000021	U	0.00011	0.000021	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-81	0.000026	U G	0.000026	0.000026	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-82	**0.0013**	**G**	0.00022	0.00022	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-83	0.00024	U G	0.00024	0.00024	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-84	**0.0030**	**G B**	0.00021	0.00021	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-85/116/117	**0.0027**		0.00033	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-86/87/97/108/119/125	**0.010**	**B**	0.00067	0.00016	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-88/91	**0.0019**		0.00022	0.00018	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-89	0.00019	U G	0.00019	0.00019	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-90/101/113	**0.016**	**B**	0.00033	0.00016	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-92	**0.0032**	**G B**	0.00019	0.00019	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-93/100	0.00018	U	0.00022	0.00018	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-107/124	**0.00063**		0.00022	0.00014	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-94	0.00018	U G	0.00018	0.00018	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-95	**0.0098**	**G B**	0.00017	0.00017	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-96	**0.00010**	**J**	0.00011	0.0000006 0	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-98/102	**0.00029**		0.00022	0.00017	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-99	**0.0073**	**G B**	0.00015	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-103	0.00016	U G	0.00016	0.00016	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-104	**0.0000043**	**J**	0.00011	0.0000006 2	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-105	**0.0072**	**G B**	0.00015	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-106	0.00015	U G	0.00015	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-110/115	**0.024**	**E B**	0.00022	0.00014	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-109	**0.0014**	**G**	0.00013	0.00013	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-111	0.00014	U G	0.00014	0.00014	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-112	0.00014	U G	0.00014	0.00014	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-114	**0.00028**	**G**	0.00015	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-118	**0.018**	**E G B**	0.00014	0.00014	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-120	0.00013	U G	0.00013	0.00013	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5

Client Sample ID: SB-207-3 (0-2) (102617)

Date Collected: 10/26/17 15:50
Date Received: 10/27/17 13:50

Lab Sample ID: 680-144854-17

Matrix: Solid
Percent Solids: 89.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-121	0.00013	U G	0.00013	0.00013	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-122	**0.00016**	**G**	0.00015	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-123	**0.00021**	**G**	0.00015	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-126	0.00014	U G	0.00014	0.00014	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-127	0.00015	U G	0.00015	0.00015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-128/166	**0.0041**	**B**	0.00022	0.000062	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-129/138/163	**0.024**	**B**	0.00033	0.000066	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-130	**0.0015**		0.00011	0.000083	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-131	**0.00027**		0.00011	0.000076	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-132	**0.0070**	**B**	0.00011	0.000075	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-133	**0.00024**		0.00011	0.000074	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-134/143	**0.0011**		0.00022	0.000077	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-135/151	**0.0052**	**B**	0.00022	0.000070	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-136	**0.0021**	**B**	0.00011	0.000052	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-137	**0.0012**		0.00011	0.000062	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-139/140	**0.00038**		0.00022	0.000067	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-141	**0.0035**	**B**	0.00011	0.000074	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-142	0.000079	U	0.00011	0.000079	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-144	**0.00069**		0.00011	0.000068	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-145	0.000051	U	0.00011	0.000051	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-146	**0.0024**		0.00011	0.000064	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-147/149	**0.014**	**B**	0.00022	0.000068	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-148	0.000067	U	0.00011	0.000067	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-150	0.000047	U	0.00011	0.000047	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-152	0.000049	U	0.00011	0.000049	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-153/168	**0.015**	**B**	0.00022	0.000057	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-154	**0.000086**	**J**	0.00011	0.000061	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-155	0.000045	U	0.00011	0.000045	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-156/157	**0.0032**	**B**	0.000022	0.000019	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-158	**0.0026**	**B**	0.00011	0.000052	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-159	**0.000074**	**J**	0.00011	0.000013	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-160	0.000064	U	0.00011	0.000064	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-161	0.000059	U	0.00011	0.000059	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-162	**0.000072**	**J**	0.00011	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-164	**0.0016**		0.00011	0.000061	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-165	0.000060	U	0.00011	0.000060	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-167	**0.0010**		0.000011	0.000011	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-169	0.000012	U G	0.000012	0.000012	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-170	**0.0031**	**B**	0.00011	0.0000039	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-171/173	**0.0010**		0.00022	0.0000040	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-172	**0.00049**		0.00011	0.0000038	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-174	**0.0031**	**B**	0.00011	0.0000042	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-175	**0.00013**		0.00011	0.0000014	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-176	**0.00033**		0.00011	0.0000010	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-177	**0.0016**		0.00011	0.0000039	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-178	**0.00049**		0.00011	0.0000015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-179	**0.0010**		0.00011	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-180/193	**0.0058**	**B**	0.00022	0.0000032	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-181	**0.000047**	**J**	0.00011	0.0000035	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5

Client Sample ID: SB-207-3 (0-2) (102617)

Lab Sample ID: 680-144854-17

Date Collected: 10/26/17 15:50
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 89.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-182	0.000016	J	0.00011	0.0000013	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-183	0.0014	B	0.00011	0.0000030	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-184	0.0000011	U	0.00011	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-185	0.00030		0.00011	0.0000037	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-186	0.0000011	U	0.00011	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-187	0.0028	B	0.00011	0.0000013	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-188	0.0000034	J	0.00011	0.0000011	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-189	0.00012		0.000011	0.00000073	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-190	0.00058	B	0.00011	0.0000028	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-191	0.00013		0.00011	0.0000029	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-192	0.0000030	U	0.00011	0.0000030	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-194	0.00079	B	0.00011	0.0000014	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-195	0.00037		0.00011	0.0000015	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-196	0.00050		0.00011	0.0000022	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-197	0.000037	J	0.00011	0.0000016	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-198/199	0.0011		0.00022	0.0000024	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-200	0.00014		0.00011	0.0000019	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-201	0.00012		0.00011	0.0000017	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-202	0.00014		0.00011	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-203	0.00062		0.00011	0.0000022	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-204	0.0000018	U	0.00011	0.0000018	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-205	0.000049	J	0.00011	0.0000012	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-206	0.00023		0.00011	0.0000017	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-207	0.000029	J	0.00011	0.0000012	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-208	0.000049	J	0.00011	0.0000013	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5
PCB-209	0.000027	J B	0.00011	0.00000049	mg/Kg	☼	11/02/17 12:52	11/28/17 19:59	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*51*		*5 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-3L	*56*		*5 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-4L	*59*		*5 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-15L	*70*		*5 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-19L	*65*		*5 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-37L	*60*		*5 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-54L	*58*		*5 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-77L	*90*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-81L	*90*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-104L	*71*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-105L	*95*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-114L	*90*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-118L	*92*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-123L	*90*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-126L	*98*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-155L	*74*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-156L/157L	*94*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-167L	*93*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-169L	*101*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-188L	*107*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*
PCB-189L	*98*		*10 - 145*	*11/02/17 12:52*	*11/28/17 19:59*	*5*

Client Sample ID: SB-207-3 (0-2) (102617)

Lab Sample ID: 680-144854-17

Date Collected: 10/26/17 15:50
Date Received: 10/27/17 13:50

Matrix: Solid
Percent Solids: 89.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-202L	108		10 - 145	11/02/17 12:52	11/28/17 19:59	5
PCB-205L	85		10 - 145	11/02/17 12:52	11/28/17 19:59	5
PCB-206L	91		10 - 145	11/02/17 12:52	11/28/17 19:59	5
PCB-208L	105		10 - 145	11/02/17 12:52	11/28/17 19:59	5
PCB-209L	101		10 - 145	11/02/17 12:52	11/28/17 19:59	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	66		5 - 145	11/02/17 12:52	11/28/17 19:59	5
PCB-111L	86		10 - 145	11/02/17 12:52	11/28/17 19:59	5
PCB-178L	107		10 - 145	11/02/17 12:52	11/28/17 19:59	5

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000036	U	0.0000011	0.00000036	mg/Kg	☼	11/02/17 12:58	11/16/17 12:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	107		40 - 135	11/02/17 12:58	11/16/17 12:26	1
13C-1,2,3,4,6,7,8-HpCDF	97		40 - 135	11/02/17 12:58	11/16/17 12:26	1
13C-1,2,3,4,7,8-HxCDF	97		40 - 135	11/02/17 12:58	11/16/17 12:26	1
13C-1,2,3,6,7,8-HxCDD	90		40 - 135	11/02/17 12:58	11/16/17 12:26	1
13C-1,2,3,7,8-PeCDD	87		40 - 135	11/02/17 12:58	11/16/17 12:26	1
13C-1,2,3,7,8-PeCDF	91		40 - 135	11/02/17 12:58	11/16/17 12:26	1
13C-2,3,7,8-TCDD	77		40 - 135	11/02/17 12:58	11/16/17 12:26	1
13C-2,3,7,8-TCDF	92		40 - 135	11/02/17 12:58	11/16/17 12:26	1
13C-OCDD	105		40 - 135	11/02/17 12:58	11/16/17 12:26	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDF	85		40 - 135	11/02/17 12:58	11/17/17 04:58	1

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**0.25**		0.0000020	0.0000050	mg/Kg			12/08/17 11:12	1

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-204-1 (0-2) (102617) — Lab Sample ID: 680-144854-12

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.0019**	**G**	0.00021	0.00021	mg/Kg	0.0001	**0.00000019**	1668C
PCB-81	0.00020	U G	0.00020	0.00020	mg/Kg	0.0003	0.00	1668C
PCB-114	**0.0035**	**E G**	0.00086	0.00086	mg/Kg	0.00003	**0.00000011**	1668C
PCB-123	**0.0020**	**G**	0.00086	0.00086	mg/Kg	0.00003	**).000000060**	1668C
PCB-126	0.00081	U G	0.00081	0.00081	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.022**	**E G B F2**	0.00019	0.00019	mg/Kg	0.00003	**0.00000066**	1668C
PCB-167	**0.0065**	**E G F2**	0.00012	0.00012	mg/Kg	0.00003	**0.00000020**	1668C
PCB-169	0.00012	U G	0.00012	0.00012	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00053**	**q F1**	0.0000024	0.0000017	mg/Kg	0.00003	**).000000016**	1668C
PCB-105 - DL	**0.056**	**E G B F2**	0.0011	0.0011	mg/Kg	0.00003	**0.0000017**	1668C
PCB-118 - DL	**0.13**	**E G B F2**	0.00098	0.00098	mg/Kg	0.00003	**0.0000039**	1668C
2,3,7,8-TCDD	0.0000019	U G	0.0000019	0.0000019	mg/Kg	1	0.00	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	1.6		0.0000020	0.0000050	mg/Kg		0.0000068	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.00000091	TEQ
Total PCB TEQ					mg/Kg		0.0000068	TEQ
Total TEQ					mg/Kg		0.0000078	TEQ

Client Sample ID: SB-204-2 (0-2) (102617) — Lab Sample ID: 680-144854-13

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.0014**	**G**	0.00018	0.00018	mg/Kg	0.0001	**0.00000014**	1668C
PCB-81	0.00018	U G	0.00018	0.00018	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.039**	**G B**	0.00080	0.00080	mg/Kg	0.00003	**0.0000012**	1668C
PCB-114	**0.0015**	**G**	0.00081	0.00081	mg/Kg	0.00003	**).000000045**	1668C
PCB-118	**0.096**	**E G B**	0.00072	0.00072	mg/Kg	0.00003	**0.0000029**	1668C
PCB-123	**0.0013**	**G**	0.00084	0.00084	mg/Kg	0.00003	**).000000039**	1668C
PCB-126	0.00080	U G	0.00080	0.00080	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.016**	**G B**	0.00012	0.00012	mg/Kg	0.00003	**0.00000048**	1668C
PCB-167	**0.0046**	**G**	0.000076	0.000076	mg/Kg	0.00003	**0.00000014**	1668C
PCB-169	0.000076	U G	0.000076	0.000076	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00045**		0.000047	0.0000024	mg/Kg	0.00003	**).000000014**	1668C
2,3,7,8-TCDD	0.0000015	U G	0.0000015	0.0000015	mg/Kg	1	0.00	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-204-2 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-13

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Polychlorinated biphenyls, Total	1.2		0.0000020	0.0000050	mg/Kg		0.0000050	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.00000056	TEQ
Total PCB TEQ					mg/Kg		0.0000050	TEQ
Total TEQ					mg/Kg		0.0000055	TEQ

Client Sample ID: SB-204-3 (0-2) (102617) — Lab Sample ID: 680-144854-14

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-77	**0.0074**	**G**	0.00036	0.00036	mg/Kg	0.0001	**0.00000074**	1668C
PCB-81	**0.0027**	**G**	0.00034	0.00034	mg/Kg	0.0003	**0.00000081**	1668C
PCB-105	**0.10**	**E G B**	0.0023	0.0023	mg/Kg	0.00003	**0.0000030**	1668C
PCB-114	**0.0041**	**G**	0.0026	0.0026	mg/Kg	0.00003	**0.00000012**	1668C
PCB-118	**0.24**	**E G B**	0.0021	0.0021	mg/Kg	0.00003	**0.0000072**	1668C
PCB-123	0.0025	U G	0.0025	0.0025	mg/Kg	0.00003	0.00	1668C
PCB-126	**0.0049**	**G**	0.0026	0.0026	mg/Kg	0.1	**0.00049**	1668C
PCB-156/157	**0.042**	**G B**	0.00031	0.00031	mg/Kg	0.00003	**0.0000013**	1668C
PCB-167	**0.018**	**G**	0.00021	0.00021	mg/Kg	0.00003	**0.00000054**	1668C
PCB-169	0.00022	U G	0.00022	0.00022	mg/Kg	0.03	0.00	1668C
PCB-189	**0.0012**		0.000050	0.0000089	mg/Kg	0.00003	**).000000036**	1668C
2,3,7,8-TCDD	0.0000022	U	0.0000022	0.0000022	mg/Kg	1	0.00	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Polychlorinated biphenyls, Total	3.2		0.0000020	0.0000050	mg/Kg		0.00050	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000010	TEQ
Total PCB TEQ					mg/Kg		0.00050	TEQ
Total TEQ					mg/Kg		0.00051	TEQ

Client Sample ID: SB-207-1 (0-2) (102617) — Lab Sample ID: 680-144854-15

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-77	**0.00012**		0.000012	0.0000096	mg/Kg	0.0001	**).000000012**	1668C

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-207-1 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-15

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-81	0.0000097	U	0.000012	0.0000097	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.0043**	**G B**	0.00011	0.00011	mg/Kg	0.00003	**0.00000013**	1668C
PCB-114	**0.00014**	**G**	0.00011	0.00011	mg/Kg	0.00003	**0.0000000042**	1668C
PCB-118	**0.0094**	**G B**	0.00011	0.00011	mg/Kg	0.00003	**0.00000028**	1668C
PCB-123	**0.00014**	**G**	0.00011	0.00011	mg/Kg	0.00003	**0.0000000042**	1668C
PCB-126	0.00011	U G	0.00011	0.00011	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.0023**	**B**	0.000024	0.000023	mg/Kg	0.00003	**0.000000069**	1668C
PCB-167	**0.00072**	**G**	0.000013	0.000013	mg/Kg	0.00003	**0.000000022**	1668C
PCB-169	0.000012	U	0.000012	0.000012	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00014**		0.000012	0.00000072	mg/Kg	0.00003	**0.0000000042**	1668C
2,3,7,8-TCDD	0.00000041	U	0.0000012	0.00000041	mg/Kg	1	0.00	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.17		0.0000020	0.0000050	mg/Kg		0.00000053	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000023	TEQ
Total PCB TEQ					mg/Kg		0.00000053	TEQ
Total TEQ					mg/Kg		0.0000029	TEQ

Client Sample ID: SB-207-2 (0-2) (102617) — Lab Sample ID: 680-144854-16

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.00018**	**G**	0.000025	0.000025	mg/Kg	0.0001	**0.000000018**	1668C
PCB-81	0.000024	U G	0.000024	0.000024	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.0060**	**G B**	0.00024	0.00024	mg/Kg	0.00003	**0.00000018**	1668C
PCB-114	**0.00030**	**G**	0.00024	0.00024	mg/Kg	0.00003	**0.0000000090**	1668C
PCB-118	**0.016**	**E G B**	0.00022	0.00022	mg/Kg	0.00003	**0.00000048**	1668C
PCB-123	0.00024	U G	0.00024	0.00024	mg/Kg	0.00003	0.00	1668C
PCB-126	0.00024	U G	0.00024	0.00024	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.0036**	**B**	0.000025	0.000022	mg/Kg	0.00003	**0.00000011**	1668C
PCB-167	**0.0012**		0.000013	0.000013	mg/Kg	0.00003	**0.000000036**	1668C
PCB-169	0.000013	U	0.000013	0.000013	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00014**		0.000013	0.0000010	mg/Kg	0.00003	**0.0000000042**	1668C

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-207-2 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-16

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
2,3,7,8-TCDD	0.00000045	U	0.0000013	0.00000045	mg/Kg	1	0.00	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.26		0.0000020	0.0000050	mg/Kg		0.00000084	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000016	TEQ
Total PCB TEQ					mg/Kg		0.00000084	TEQ
Total TEQ					mg/Kg		0.000017	TEQ

Client Sample ID: SB-207-3 (0-2) (102617) — Lab Sample ID: 680-144854-17

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.00021**	**G**	0.000025	0.000025	mg/Kg	0.0001	**0.000000021**	1668C
PCB-81	0.000026	U G	0.000026	0.000026	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.0072**	**G B**	0.00015	0.00015	mg/Kg	0.00003	**0.00000022**	1668C
PCB-114	**0.00028**	**G**	0.00015	0.00015	mg/Kg	0.00003	**0.0000000084**	1668C
PCB-118	**0.018**	**E G B**	0.00014	0.00014	mg/Kg	0.00003	**0.00000054**	1668C
PCB-123	**0.00021**	**G**	0.00015	0.00015	mg/Kg	0.00003	**0.0000000063**	1668C
PCB-126	0.00014	U G	0.00014	0.00014	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.0032**	**B**	0.000022	0.000019	mg/Kg	0.00003	**0.000000096**	1668C
PCB-167	**0.0010**		0.000011	0.000011	mg/Kg	0.00003	**0.000000030**	1668C
PCB-169	0.000012	U G	0.000012	0.000012	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00012**		0.000011	0.00000073	mg/Kg	0.00003	**0.0000000036**	1668C
2,3,7,8-TCDD	0.00000036	U	0.0000011	0.00000036	mg/Kg	1	0.00	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.25		0.0000020	0.0000050	mg/Kg		0.00000093	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000019	TEQ
Total PCB TEQ					mg/Kg		0.00000093	TEQ

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-207-3 (0-2) (102617) (Continued) — Lab Sample ID: 680-144854-17

						WHO 2005 ND = 0		
Analyte	**Result**	**Qualifier**	**NONE**	**NONE**	**Unit**	**TEF**	**TEQ**	**Method**
Total TEQ					mg/Kg		0.0000029	TEQ

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB-28L	PCB-111L	PCB-178L
Lab Sample ID	Client Sample ID	(5-145)	(10-145)	(10-145)
680-144854-12	SB-204-1 (0-2) (102617)	55	81	96
680-144854-12 - DL	SB-204-1 (0-2) (102617)	50	68	90
680-144854-12 MS	SB-204-1 (0-2) (102617)	49	67	86
680-144854-12 MS - DL	SB-204-1 (0-2) (102617)	45	67	92
680-144854-12 MSD	SB-204-1 (0-2) (102617)	58	84	101
680-144854-12 MSD - DL	SB-204-1 (0-2) (102617)	60	82	106
680-144854-13	SB-204-2 (0-2) (102617)	56	74	101
680-144854-14	SB-204-3 (0-2) (102617)	66	84	100
680-144854-15	SB-207-1 (0-2) (102617)	63	90	105
680-144854-16	SB-207-2 (0-2) (102617)	66	91	107
680-144854-17	SB-207-3 (0-2) (102617)	66	86	107
MB 320-192576/1-A	Method Blank	60	73	87

Surrogate Legend

PCB-28L = PCB-28L
PCB-111L = PCB-111L
PCB-178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB-28L	PCB-111L	PCB-178L
Lab Sample ID	Client Sample ID	(15-145)	(40-145)	(40-145)
LCS 320-192576/2-A	Lab Control Sample	61	69	83

Surrogate Legend

PCB-28L = PCB-28L
PCB-111L = PCB-111L
PCB-178L = PCB-178L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB-1L (5-145)	PCB-3L (5-145)	PCB-4L (5-145)	PCB-15L (5-145)	PCB-19L (5-145)	PCB-37L (5-145)	PCB-54L (5-145)	PCB-77L (10-145)
680-144854-12	SB-204-1 (0-2) (102617)	39	44	46	54	52	59	32 q	80
680-144854-12 - DL	SB-204-1 (0-2) (102617)	46	46	49	56	50	56	43	68
680-144854-12 MS	SB-204-1 (0-2) (102617)	38	41	43	50	49	54	30 q	73
680-144854-12 MS - DL	SB-204-1 (0-2) (102617)	41	43	43	51	46	51	43	65
680-144854-12 MSD	SB-204-1 (0-2) (102617)	46	53	53	64	62	63	37 q	88
680-144854-12 MSD - DL	SB-204-1 (0-2) (102617)	45	48	49	56	53	63	52	80
680-144854-13	SB-204-2 (0-2) (102617)	50	53	53	61	67	63	52	73
680-144854-14	SB-204-3 (0-2) (102617)	53	49	46	37	40	30	29	30
680-144854-15	SB-207-1 (0-2) (102617)	48	55	57	69	67	73	58	84
680-144854-16	SB-207-2 (0-2) (102617)	47	52	56	67	61	46	59	88
680-144854-17	SB-207-3 (0-2) (102617)	51	56	59	70	65	60	58	90
MB 320-192576/1-A	Method Blank	54	61	58	64	67	62	50	72

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB-81L (10-145)	PCB-104L (10-145)	PCB-105L (10-145)	PCB-114L (10-145)	PCB-118L (10-145)	PCB-123L (10-145)	PCB-126L (10-145)	PCB-155L (10-145)
680-144854-12	SB-204-1 (0-2) (102617)	79	53	90	90	87	87	99	63
680-144854-12 - DL	SB-204-1 (0-2) (102617)	70	56	80	73	82	72	81	58
680-144854-12 MS	SB-204-1 (0-2) (102617)	73	46	75	79	75	74	87	56
680-144854-12 MS - DL	SB-204-1 (0-2) (102617)	66	54	75	70	73	68	82	57
680-144854-12 MSD	SB-204-1 (0-2) (102617)	88	50 q	90	91	90	88	98	68
680-144854-12 MSD - DL	SB-204-1 (0-2) (102617)	81	64	87	82	84	84	86	73
680-144854-13	SB-204-2 (0-2) (102617)	74	62	84	79	85	76	86	68
680-144854-14	SB-204-3 (0-2) (102617)	31	30	33	29	34	29	31	26
680-144854-15	SB-207-1 (0-2) (102617)	87	74	96	94	94	93	100	72
680-144854-16	SB-207-2 (0-2) (102617)	91	73	96	93	94	92	100	75
680-144854-17	SB-207-3 (0-2) (102617)	90	71	95	90	92	90	98	74
MB 320-192576/1-A	Method Blank	72	62	76	78	75	74	86	63

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	B-156L/15 (10-145)	PCB-167L (10-145)	PCB-169L (10-145)	PCB-188L (10-145)	PCB-189L (10-145)	PCB-202L (10-145)	PCB-205L (10-145)	PCB-206L (10-145)
680-144854-12	SB-204-1 (0-2) (102617)	97	97	98	71	99	79	91	84
680-144854-12 - DL	SB-204-1 (0-2) (102617)	84	85	86	73	85	80	92	85
680-144854-12 MS	SB-204-1 (0-2) (102617)	87	92	88	62	89	71	89	85
680-144854-12 MS - DL	SB-204-1 (0-2) (102617)	83	82	90	70	82	79	90	85
680-144854-12 MSD	SB-204-1 (0-2) (102617)	98	99	96	76	96	78	96	88
680-144854-12 MSD - DL	SB-204-1 (0-2) (102617)	92	93	92	91	92	96	97	94
680-144854-13	SB-204-2 (0-2) (102617)	88	89	100	85	92	92	99	96
680-144854-14	SB-204-3 (0-2) (102617)	29	28	27	30	28	30	31	29
680-144854-15	SB-207-1 (0-2) (102617)	66	91	99	96	94	102	91	91
680-144854-16	SB-207-2 (0-2) (102617)	74	91	93	107	98	110	93	102
680-144854-17	SB-207-3 (0-2) (102617)	94	93	101	107	98	108	85	91
MB 320-192576/1-A	Method Blank	81	80	85	78	96	87	96	94

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PCB-208L (10-145)	PCB-209L (10-145)
680-144854-12	SB-204-1 (0-2) (102617)	99	93
680-144854-12 - DL	SB-204-1 (0-2) (102617)	86	92
680-144854-12 MS	SB-204-1 (0-2) (102617)	90	91

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PCB-208L (10-145)	PCB-209L (10-145)
680-144854-12 MS - DL	SB-204-1 (0-2) (102617)	83	91
680-144854-12 MSD	SB-204-1 (0-2) (102617)	96	95
680-144854-12 MSD - DL	SB-204-1 (0-2) (102617)	98	107
680-144854-13	SB-204-2 (0-2) (102617)	92	103
680-144854-14	SB-204-3 (0-2) (102617)	29	32
680-144854-15	SB-207-1 (0-2) (102617)	97	99
680-144854-16	SB-207-2 (0-2) (102617)	105	105
680-144854-17	SB-207-3 (0-2) (102617)	105	101
MB 320-192576/1-A	Method Blank	99	99

Surrogate Legend

PCB-1L = PCB-1L
PCB-3L = PCB-3L
PCB-4L = PCB-4L
PCB-15L = PCB-15L
PCB-19L = PCB-19L
PCB-37L = PCB-37L
PCB-54L = PCB-54L
PCB-77L = PCB-77L
PCB-81L = PCB-81L
PCB-104L = PCB-104L
PCB-105L = PCB-105L
PCB-114L = PCB-114L
PCB-118L = PCB-118L
PCB-123L = PCB-123L
PCB-126L = PCB-126L
PCB-155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB-167L = PCB-167L
PCB-169L = PCB-169L
PCB-188L = PCB-188L
PCB-189L = PCB-189L
PCB-202L = PCB-202L
PCB-205L = PCB-205L
PCB-206L = PCB-206L
PCB-208L = PCB-208L
PCB-209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB-1L (15-145)	PCB-3L (15-145)	PCB-4L (15-145)	PCB-15L (15-145)	PCB-19L (15-145)	PCB-37L (15-145)	PCB-54L (15-145)	PCB-77L (40-145)
LCS 320-192576/2-A	Lab Control Sample	51	59	56	63	66	62	51	70

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB-81L (40-145)	PCB-104L (40-145)	PCB-105L (40-145)	PCB-114L (40-145)	PCB-118L (40-145)	PCB-123L (40-145)	PCB-126L (40-145)	PCB-155L (40-145)
LCS 320-192576/2-A	Lab Control Sample	71	61	72	73	71	71	80	64

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	B-156L/15 (40-145)	PCB-167L (40-145)	PCB-169L (40-145)	PCB-188L (40-145)	PCB-189L (40-145)	PCB-202L (40-145)	PCB-205L (40-145)	PCB-206L (40-145)
LCS 320-192576/2-A	Lab Control Sample	79	76	81	69	86	75	87	86

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PCB-208L (40-145)	PCB-209L (40-145)
LCS 320-192576/2-A	Lab Control Sample	86	92

Surrogate Legend

PCB-1L = PCB-1L
PCB-3L = PCB-3L
PCB-4L = PCB-4L
PCB-15L = PCB-15L
PCB-19L = PCB-19L
PCB-37L = PCB-37L
PCB-54L = PCB-54L
PCB-77L = PCB-77L
PCB-81L = PCB-81L
PCB-104L = PCB-104L
PCB-105L = PCB-105L
PCB-114L = PCB-114L
PCB-118L = PCB-118L
PCB-123L = PCB-123L
PCB-126L = PCB-126L
PCB-155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB-167L = PCB-167L
PCB-169L = PCB-169L
PCB-188L = PCB-188L
PCB-189L = PCB-189L
PCB-202L = PCB-202L
PCB-205L = PCB-205L
PCB-206L = PCB-206L
PCB-208L = PCB-208L
PCB-209L = PCB-209L

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HpCDD (40-135)	HpCDF1 (40-135)	HxCDF1 (40-135)	HxCDD2 (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	TCDD (40-135)	TCDF (40-135)
680-144854-12	SB-204-1 (0-2) (102617)	85	74	101	89	92	89	44	84
680-144854-12 - RA	SB-204-1 (0-2) (102617)								98
680-144854-12 MS	SB-204-1 (0-2) (102617)	86 q	81	93	91	92	94	70	90
680-144854-12 MS - RA	SB-204-1 (0-2) (102617)								85
680-144854-12 MSD	SB-204-1 (0-2) (102617)	105 q	92	92	92	90	93	84	90
680-144854-12 MSD - RA	SB-204-1 (0-2) (102617)								83
680-144854-13	SB-204-2 (0-2) (102617)	109	99	98	93	93	95	58	92
680-144854-13 - RA	SB-204-2 (0-2) (102617)								95
680-144854-14	SB-204-3 (0-2) (102617)	40	37 *	36 *	34 *	30 *	32 *	20 *	31 *

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HpCDD (40-135)	HpCDF1 (40-135)	HxCDF1 (40-135)	HxCDD2 (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	TCDD (40-135)	TCDF (40-135)
680-144854-14 - RA	SB-204-3 (0-2) (102617)								34 *
680-144854-15	SB-207-1 (0-2) (102617)	97	94	103	85	103	76	64	63
680-144854-16	SB-207-2 (0-2) (102617)	106	98	108	91	91	91	82	87
680-144854-17	SB-207-3 (0-2) (102617)	107	97	97	90	87	91	77	92
680-144854-17 - RA	SB-207-3 (0-2) (102617)								85
LCS 320-192583/2-A	Lab Control Sample	82	79	80	78	80	80	77	77
MB 320-192583/1-A	Method Blank	83	84	81	83	85	86	80	79

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDD (40-135)
680-144854-12	SB-204-1 (0-2) (102617)	105
680-144854-12 - RA	SB-204-1 (0-2) (102617)	
680-144854-12 MS	SB-204-1 (0-2) (102617)	97
680-144854-12 MS - RA	SB-204-1 (0-2) (102617)	
680-144854-12 MSD	SB-204-1 (0-2) (102617)	119
680-144854-12 MSD - RA	SB-204-1 (0-2) (102617)	
680-144854-13	SB-204-2 (0-2) (102617)	113
680-144854-13 - RA	SB-204-2 (0-2) (102617)	
680-144854-14	SB-204-3 (0-2) (102617)	43
680-144854-14 - RA	SB-204-3 (0-2) (102617)	
680-144854-15	SB-207-1 (0-2) (102617)	118
680-144854-16	SB-207-2 (0-2) (102617)	108
680-144854-17	SB-207-3 (0-2) (102617)	105
680-144854-17 - RA	SB-207-3 (0-2) (102617)	
LCS 320-192583/2-A	Lab Control Sample	84
MB 320-192583/1-A	Method Blank	87

Surrogate Legend

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF
HxCDF1 = 13C-1,2,3,4,7,8-HxCDF
HxCDD2 = 13C-1,2,3,6,7,8-HxCDD
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF1 = 13C-1,2,3,7,8-PeCDF
TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
OCDD = 13C-OCDD

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00000022	U	0.000020	0.00000022	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-2	0.00000018	U	0.000020	0.00000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-3	0.00000018	U	0.000020	0.00000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-4	0.0000062	U	0.000020	0.0000062	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-5	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-6	0.0000019	U	0.000020	0.0000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-7	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-8	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-9	0.0000019	U	0.000020	0.0000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-10	0.0000041	U	0.000020	0.0000041	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-11	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-12/13	0.0000018	U	0.000040	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-14	0.0000016	U	0.000020	0.0000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-15	0.0000018	U	0.000020	0.0000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-16	0.00000035	U	0.000020	0.00000035	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-17	0.00000027	U	0.000020	0.00000027	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-18/30	0.000000459	J	0.000040	0.00000023	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-19	0.00000029	U	0.000020	0.00000029	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-20/28	0.000000506	J	0.000040	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-21/33	0.000000291	J	0.000040	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-22	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-23	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-24	0.00000021	U	0.000020	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-25	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-26/29	0.00000013	U	0.000040	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-27	0.00000020	U	0.000020	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-31	0.000000352	J	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-32	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-34	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-35	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-36	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-37	0.00000015	U	0.000020	0.00000015	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-38	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-39	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-40/71	0.000000364	J	0.000040	0.00000094	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-41	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-42	0.000000232	J	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-43	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-44/47/65	0.00000246	J	0.000060	0.00000089	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-45	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-46	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-48	0.000000145	J	0.000020	0.00000094	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-49/69	0.000000761	J	0.000040	0.00000078	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-50/53	0.000000150	J	0.000040	0.00000089	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-51	0.000000088	U	0.000020	0.00000088	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-52	0.00000288	J	0.000020	0.00000094	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-54	0.00000015	U	0.000020	0.00000015	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-55	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-56	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-57	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-58	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-59/62/75	0.000000069	U	0.000060	0.00000069	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-60	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-61/70/74/76	0.00000212	J	0.000080	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-63	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-64	0.000000353	J	0.000020	0.00000066	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-66	0.000000735	J	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-67	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-68	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-72	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-73	0.000000071	U	0.000020	0.00000071	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-77	0.00000014	U	0.0000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-78	0.00000014	U	0.000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-79	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-80	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-81	0.00000014	U	0.0000020	0.00000014	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-82	0.00000038	U	0.000020	0.00000038	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-83	0.00000041	U	0.000020	0.00000041	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-84	0.00000130	J	0.000020	0.00000035	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-85/116/117	0.00000026	U	0.000060	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-86/87/97/108/119/125	0.00000341	J	0.00012	0.00000027	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-88/91	0.00000030	U	0.000040	0.00000030	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-89	0.00000033	U	0.000020	0.00000033	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-90/101/113	0.00000464	J	0.000060	0.00000027	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-92	0.000000884	J	0.000020	0.00000032	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-93/100	0.00000030	U	0.000040	0.00000030	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-107/124	0.00000024	U	0.000040	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-94	0.00000031	U	0.000020	0.00000031	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-95	0.00000388	J	0.000020	0.00000030	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-96	0.00000015	U	0.000020	0.00000015	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-98/102	0.00000029	U	0.000040	0.00000029	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-99	0.00000188	J	0.000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-103	0.00000027	U	0.000020	0.00000027	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-104	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-105	0.00000162	J	0.0000020	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-106	0.00000025	U	0.000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-110/115	0.00000569	J	0.000040	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-109	0.00000023	U	0.000020	0.00000023	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-111	0.00000023	U	0.000020	0.00000023	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-112	0.00000024	U	0.000020	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-114	0.00000025	U	0.0000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-118	0.00000372		0.0000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-120	0.00000022	U	0.000020	0.00000022	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-121	0.00000022	U	0.000020	0.00000022	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-122	0.00000026	U	0.000020	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-123	0.00000026	U	0.0000020	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-126	0.00000025	U	0.0000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-127	0.00000025	U	0.000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-128/166	0.000000478	J	0.000040	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-129/138/163	0.00000322	J	0.000060	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-130	0.00000026	U	0.000020	0.00000026	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-131	0.00000024	U	0.000020	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-132	0.00000131	J	0.000020	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-133	0.00000024	U	0.000020	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-134/143	0.00000024	U	0.000040	0.00000024	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-135/151	0.000000979	J	0.000040	0.00000022	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-136	0.000000502	J	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-137	0.00000020	U	0.000020	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-139/140	0.00000021	U	0.000040	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-141	0.000000471	J	0.000020	0.00000023	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-142	0.00000025	U	0.000020	0.00000025	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-144	0.00000021	U	0.000020	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-145	0.00000016	U	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-146	0.00000020	U	0.000020	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-147/149	0.00000246	J	0.000040	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-148	0.00000021	U	0.000020	0.00000021	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-150	0.00000015	U	0.000020	0.00000015	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-152	0.00000016	U	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-153/168	0.00000234	J	0.000040	0.00000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-154	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-155	0.00000016	U	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-156/157	0.000000303	J	0.0000040	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-158	0.000000337	J	0.000020	0.00000016	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-159	0.000000093	U	0.000020	0.0000000093	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-160	0.00000020	U	0.000020	0.00000020	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-161	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-162	0.000000089	U	0.000020	0.0000000089	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-164	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-165	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-167	0.000000086	U	0.0000020	0.0000000086	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-169	0.000000081	U	0.0000020	0.0000000081	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-170	0.000000481	J	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-171/173	0.00000011	U	0.000040	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-172	0.00000010	U	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-174	0.000000198	J	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-175	0.00000012	U	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-176	0.000000088	U	0.000020	0.0000000088	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-177	0.00000010	U	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-178	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-179	0.000000093	U	0.000020	0.0000000093	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-180/193	0.00000111	J	0.000040	0.000000085	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-181	0.000000093	U	0.000020	0.000000093	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-182	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-183	0.000000353	J	0.000020	0.000000080	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-184	0.000000097	U	0.000020	0.000000097	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-185	0.000000099	U	0.000020	0.000000099	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-186	0.000000093	U	0.000020	0.000000093	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-187	0.000000628	J	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-188	0.00000010	U	0.000020	0.00000010	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-189	0.00000013	U	0.0000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-190	0.000000140	J	0.000020	0.000000075	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-191	0.000000077	U	0.000020	0.000000077	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-192	0.000000080	U	0.000020	0.000000080	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-194	0.00000279	J	0.000020	0.00000018	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-195	0.00000019	U	0.000020	0.00000019	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-196	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-197	0.000000081	U	0.000020	0.000000081	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-198/199	0.00000012	U	0.000040	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-200	0.000000097	U	0.000020	0.000000097	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-201	0.000000088	U	0.000020	0.000000088	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-202	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-203	0.00000011	U	0.000020	0.00000011	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-204	0.000000091	U	0.000020	0.000000091	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-205	0.00000013	U	0.000020	0.00000013	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-206	0.00000039	U	0.000020	0.00000039	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-207	0.00000031	U	0.000020	0.00000031	mg/Kg		11/02/17 12:52	11/21/17 18:53	1
PCB-208	0.00000036	U	0.000020	0.00000036	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-192576/1-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192576

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-209	0.00000115	J	0.000020	0.00000012	mg/Kg		11/02/17 12:52	11/21/17 18:53	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*54*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-3L	*61*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-4L	*58*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-15L	*64*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-19L	*67*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-37L	*62*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-54L	*50*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-77L	*72*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-81L	*72*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-104L	*62*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-105L	*76*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-114L	*78*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-118L	*75*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-123L	*74*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-126L	*86*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-155L	*63*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-156L/157L	*81*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-167L	*80*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-169L	*85*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-188L	*78*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-189L	*96*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-202L	*87*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-205L	*96*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-206L	*94*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-208L	*99*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-209L	*99*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*60*		*5 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-111L	*73*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*
PCB-178L	*87*		*10 - 145*	*11/02/17 12:52*	*11/21/17 18:53*	*1*

Lab Sample ID: LCS 320-192576/2-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.000200	0.000193		mg/Kg		97	60 - 135
PCB-3	0.000200	0.000195		mg/Kg		98	60 - 135
PCB-4	0.000200	0.000197		mg/Kg		99	60 - 135
PCB-15	0.000200	0.000192		mg/Kg		96	60 - 135
PCB-19	0.000200	0.000201		mg/Kg		101	60 - 135
PCB-37	0.000200	0.000182		mg/Kg		91	60 - 135
PCB-54	0.000200	0.000204		mg/Kg		102	60 - 135

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-192576/2-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192576

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-77	0.000200	0.000192		mg/Kg		96	60 - 135
PCB-81	0.000200	0.000191		mg/Kg		96	60 - 135
PCB-104	0.000200	0.000217		mg/Kg		108	60 - 135
PCB-105	0.000200	0.000211		mg/Kg		105	60 - 135
PCB-114	0.000200	0.000196		mg/Kg		98	60 - 135
PCB-118	0.000200	0.000212		mg/Kg		106	60 - 135
PCB-123	0.000200	0.000205		mg/Kg		102	60 - 135
PCB-126	0.000200	0.000201		mg/Kg		100	60 - 135
PCB-155	0.000200	0.000201		mg/Kg		101	60 - 135
PCB-156/157	0.000400	0.000382		mg/Kg		95	60 - 135
PCB-167	0.000200	0.000191		mg/Kg		96	60 - 135
PCB-169	0.000200	0.000191		mg/Kg		96	60 - 135
PCB-188	0.000200	0.000186		mg/Kg		93	60 - 135
PCB-189	0.000200	0.000157		mg/Kg		78	60 - 135
PCB-202	0.000200	0.000190		mg/Kg		95	60 - 135
PCB-205	0.000200	0.000173		mg/Kg		87	60 - 135
PCB-206	0.000200	0.000190		mg/Kg		95	60 - 135
PCB-208	0.000200	0.000192		mg/Kg		96	60 - 135
PCB-209	0.000200	0.000185		mg/Kg		93	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*51*		*15 - 145*
PCB-3L	*59*		*15 - 145*
PCB-4L	*56*		*15 - 145*
PCB-15L	*63*		*15 - 145*
PCB-19L	*66*		*15 - 145*
PCB-37L	*62*		*15 - 145*
PCB-54L	*51*		*15 - 145*
PCB-77L	*70*		*40 - 145*
PCB-81L	*71*		*40 - 145*
PCB-104L	*61*		*40 - 145*
PCB-105L	*72*		*40 - 145*
PCB-114L	*73*		*40 - 145*
PCB-118L	*71*		*40 - 145*
PCB-123L	*71*		*40 - 145*
PCB-126L	*80*		*40 - 145*
PCB-155L	*64*		*40 - 145*
PCB-156L/157L	*79*		*40 - 145*
PCB-167L	*76*		*40 - 145*
PCB-169L	*81*		*40 - 145*
PCB-188L	*69*		*40 - 145*
PCB-189L	*86*		*40 - 145*
PCB-202L	*75*		*40 - 145*
PCB-205L	*87*		*40 - 145*
PCB-206L	*86*		*40 - 145*
PCB-208L	*86*		*40 - 145*
PCB-209L	*92*		*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-192576/2-A
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192576

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*61*		*15 - 145*
PCB-111L	*69*		*40 - 145*
PCB-178L	*83*		*40 - 145*

Lab Sample ID: 680-144854-12 MS
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192576

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.000029		0.000233	0.000221		mg/Kg	☼	82	60 - 135
PCB-3	0.000013	J	0.000233	0.000228		mg/Kg	☼	92	60 - 135
PCB-4	0.000097		0.000233	0.000241		mg/Kg	☼	62	60 - 135
PCB-15	0.000086		0.000233	0.000245		mg/Kg	☼	68	60 - 135
PCB-19	0.000080		0.000233	0.000244		mg/Kg	☼	71	60 - 135
PCB-37	0.00050	F1	0.000233	0.000337	F1	mg/Kg	☼	-71	60 - 135
PCB-54	0.0000065	J	0.000233	0.000226	q	mg/Kg	☼	94	60 - 135
PCB-77	0.0019	G	0.000233	0.000679	G 4	mg/Kg	☼	-506	60 - 135
PCB-81	0.00020	U G	0.000233	0.000227	G	mg/Kg	☼	98	60 - 135
PCB-104	0.0000048	J	0.000233	0.000260		mg/Kg	☼	110	60 - 135
PCB-114	0.0035	E G	0.000233	0.000808	G 4	mg/Kg	☼	-1137	60 - 135
PCB-123	0.0020	G	0.000233	0.000595	G 4	mg/Kg	☼	-590	60 - 135
PCB-126	0.00081	U G	0.000233	0.000363	G	mg/Kg	☼	NC	60 - 135
PCB-155	0.00018	U G	0.000233	0.000190	G	mg/Kg	☼	82	60 - 135
PCB-156/157	0.022	E G B F2	0.000465	0.00597	E G 4	mg/Kg	☼	-3526	60 - 135
PCB-167	0.0065	E G F2	0.000233	0.00173	G 4	mg/Kg	☼	-2065	60 - 135
PCB-169	0.00012	U G	0.000233	0.000219	G	mg/Kg	☼	94	60 - 135
PCB-188	0.0000051	U	0.000233	0.000224		mg/Kg	☼	96	60 - 135
PCB-189	0.00053	q F1	0.000233	0.000335	F1	mg/Kg	☼	-86	60 - 135
PCB-202	0.0011		0.000233	0.000492	4	mg/Kg	☼	-272	60 - 135
PCB-205	0.00023	F1	0.000233	0.000259	F1	mg/Kg	☼	10	60 - 135
PCB-206	0.0025	E F2	0.000233	0.000777	4	mg/Kg	☼	-728	60 - 135
PCB-208	0.00060	F1	0.000233	0.000360	F1	mg/Kg	☼	-102	60 - 135
PCB-209	0.00024	B F1	0.000233	0.000270	F1	mg/Kg	☼	13	60 - 135

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-1L	*38*		*5 - 145*
PCB-3L	*41*		*5 - 145*
PCB-4L	*43*		*5 - 145*
PCB-15L	*50*		*5 - 145*
PCB-19L	*49*		*5 - 145*
PCB-37L	*54*		*5 - 145*
PCB-54L	*30*	*q*	*5 - 145*
PCB-77L	*73*		*10 - 145*
PCB-81L	*73*		*10 - 145*
PCB-104L	*46*		*10 - 145*
PCB-105L	*75*		*10 - 145*
PCB-114L	*79*		*10 - 145*
PCB-118L	*75*		*10 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: 680-144854-12 MS
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192576

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-123L	*74*		*10 - 145*
PCB-126L	*87*		*10 - 145*
PCB-155L	*56*		*10 - 145*
PCB-156L/157L	*87*		*10 - 145*
PCB-167L	*92*		*10 - 145*
PCB-169L	*88*		*10 - 145*
PCB-188L	*62*		*10 - 145*
PCB-189L	*89*		*10 - 145*
PCB-202L	*71*		*10 - 145*
PCB-205L	*89*		*10 - 145*
PCB-206L	*85*		*10 - 145*
PCB-208L	*90*		*10 - 145*
PCB-209L	*91*		*10 - 145*

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-28L	*49*		*5 - 145*
PCB-111L	*67*		*10 - 145*
PCB-178L	*86*		*10 - 145*

Lab Sample ID: 680-144854-12 MSD
Matrix: Solid
Analysis Batch: 195879

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192576

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1	0.000029		0.000232	0.000217		mg/Kg	☼	81	60 - 135	1	50
PCB-3	0.000013	J	0.000232	0.000227		mg/Kg	☼	92	60 - 135	0	50
PCB-4	0.000097		0.000232	0.000243		mg/Kg	☼	63	60 - 135	0	50
PCB-15	0.000086		0.000232	0.000237		mg/Kg	☼	65	60 - 135	3	50
PCB-19	0.000080		0.000232	0.000241		mg/Kg	☼	69	60 - 135	1	50
PCB-37	0.00050	F1	0.000232	0.000277	F1	mg/Kg	☼	-97	60 - 135	19	50
PCB-54	0.0000065	J	0.000232	0.000221	q	mg/Kg	☼	92	60 - 135	3	50
PCB-77	0.0019	G	0.000232	0.000414	G 4	mg/Kg	☼	-620	60 - 135	48	50
PCB-81	0.00020	U G	0.000232	0.000243	G	mg/Kg	☼	104	60 - 135	7	50
PCB-104	0.0000048	J	0.000232	0.000262		mg/Kg	☼	111	60 - 135	1	50
PCB-114	0.0035	E G	0.000232	0.000489	G 4	mg/Kg	☼	-1276	60 - 135	49	50
PCB-123	0.0020	G	0.000232	0.000469	G 4	mg/Kg	☼	-646	60 - 135	24	50
PCB-126	0.00081	U G	0.000232	0.000301	G	mg/Kg	☼	129	60 - 135	19	50
PCB-155	0.00018	U G	0.000232	0.000219	G	mg/Kg	☼	94	60 - 135	14	50
PCB-156/157	0.022	E G B F2	0.000465	0.00298	G 4 F2	mg/Kg	☼	-4175	60 - 135	67	50
PCB-167	0.0065	E G F2	0.000232	0.000950	G 4 F2	mg/Kg	☼	-2404	60 - 135	58	50
PCB-169	0.00012	U G	0.000232	0.000221	G	mg/Kg	☼	95	60 - 135	1	50
PCB-188	0.0000051	U	0.000232	0.000199	q	mg/Kg	☼	86	60 - 135	12	50
PCB-189	0.00053	q F1	0.000232	0.000245	F1	mg/Kg	☼	-125	60 - 135	31	50
PCB-202	0.0011		0.000232	0.000319	4	mg/Kg	☼	-346	60 - 135	43	50
PCB-205	0.00023	F1	0.000232	0.000213	F1	mg/Kg	☼	-9	60 - 135	20	50
PCB-206	0.0025	E F2	0.000232	0.000436	4 F2	mg/Kg	☼	-876	60 - 135	56	50
PCB-208	0.00060	F1	0.000232	0.000282	F1	mg/Kg	☼	-136	60 - 135	24	50
PCB-209	0.00024	B F1	0.000232	0.000249	F1	mg/Kg	☼	5	60 - 135	8	50

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
PCB-1L	46		5 - 145
PCB-3L	53		5 - 145
PCB-4L	53		5 - 145
PCB-15L	64		5 - 145
PCB-19L	62		5 - 145
PCB-37L	63		5 - 145
PCB-54L	37	q	5 - 145
PCB-77L	88		10 - 145
PCB-81L	88		10 - 145
PCB-104L	50	q	10 - 145
PCB-105L	90		10 - 145
PCB-114L	91		10 - 145
PCB-118L	90		10 - 145
PCB-123L	88		10 - 145
PCB-126L	98		10 - 145
PCB-155L	68		10 - 145
PCB-156L/157L	98		10 - 145
PCB-167L	99		10 - 145
PCB-169L	96		10 - 145
PCB-188L	76		10 - 145
PCB-189L	96		10 - 145
PCB-202L	78		10 - 145
PCB-205L	96		10 - 145
PCB-206L	88		10 - 145
PCB-208L	96		10 - 145
PCB-209L	95		10 - 145

Surrogate	MSD %Recovery	MSD Qualifier	Limits
PCB-28L	58		5 - 145
PCB-111L	84		10 - 145
PCB-178L	101		10 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL

Lab Sample ID: 680-144854-12 MS — **Client Sample ID: SB-204-1 (0-2) (102617)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 197081 — **Prep Batch: 192576**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-105 - DL	0.056	E G B F2	0.000233	0.0140	G 4	mg/Kg	☼	-17858	60 - 135
PCB-118 - DL	0.13	E G B F2	0.000233	0.0336	G 4	mg/Kg	☼	-41443	60 - 135

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
PCB-1L - DL	41		5 - 145
PCB-3L - DL	43		5 - 145
PCB-4L - DL	43		5 - 145
PCB-15L - DL	51		5 - 145
PCB-19L - DL	46		5 - 145
PCB-37L - DL	51		5 - 145
PCB-54L - DL	43		5 - 145
PCB-77L - DL	65		10 - 145
PCB-81L - DL	66		10 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Lab Sample ID: 680-144854-12 MS
Matrix: Solid
Analysis Batch: 197081

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192576

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
PCB-104L - DL	54		10 - 145
PCB-105L - DL	75		10 - 145
PCB-114L - DL	70		10 - 145
PCB-118L - DL	73		10 - 145
PCB-123L - DL	68		10 - 145
PCB-126L - DL	82		10 - 145
PCB-155L - DL	57		10 - 145
PCB-156L/157L - DL	83		10 - 145
PCB-167L - DL	82		10 - 145
PCB-169L - DL	90		10 - 145
PCB-188L - DL	70		10 - 145
PCB-189L - DL	82		10 - 145
PCB-202L - DL	79		10 - 145
PCB-205L - DL	90		10 - 145
PCB-206L - DL	85		10 - 145
PCB-208L - DL	83		10 - 145
PCB-209L - DL	91		10 - 145

Surrogate	MS %Recovery	MS Qualifier	Limits
PCB-28L - DL	45		5 - 145
PCB-111L - DL	67		10 - 145
PCB-178L - DL	92		10 - 145

Lab Sample ID: 680-144854-12 MSD
Matrix: Solid
Analysis Batch: 197081

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192576

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-105 - DL	0.056	E G B F2	0.000232	0.00692	G 4 F2	mg/Kg	☼	-20939	60 - 135	68	50
PCB-118 - DL	0.13	E G B F2	0.000232	0.0167	G 4 F2	mg/Kg	☼	-48744	60 - 135	67	50

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
PCB-1L - DL	45		5 - 145
PCB-3L - DL	48		5 - 145
PCB-4L - DL	49		5 - 145
PCB-15L - DL	56		5 - 145
PCB-19L - DL	53		5 - 145
PCB-37L - DL	63		5 - 145
PCB-54L - DL	52		5 - 145
PCB-77L - DL	80		10 - 145
PCB-81L - DL	81		10 - 145
PCB-104L - DL	64		10 - 145
PCB-105L - DL	87		10 - 145
PCB-114L - DL	82		10 - 145
PCB-118L - DL	84		10 - 145
PCB-123L - DL	84		10 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) - DL (Continued)

Lab Sample ID: 680-144854-12 MSD
Matrix: Solid
Analysis Batch: 197081

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192576

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
PCB-126L - DL	86		10 - 145
PCB-155L - DL	73		10 - 145
PCB-156L/157L - DL	92		10 - 145
PCB-167L - DL	93		10 - 145
PCB-169L - DL	92		10 - 145
PCB-188L - DL	91		10 - 145
PCB-189L - DL	92		10 - 145
PCB-202L - DL	96		10 - 145
PCB-205L - DL	97		10 - 145
PCB-206L - DL	94		10 - 145
PCB-208L - DL	98		10 - 145
PCB-209L - DL	107		10 - 145

Surrogate	MSD %Recovery	MSD Qualifier	Limits
PCB-28L - DL	60		5 - 145
PCB-111L - DL	82		10 - 145
PCB-178L - DL	106		10 - 145

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-192583/1-A
Matrix: Solid
Analysis Batch: 195126

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 192583

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000015	U	0.0000010	0.00000015	mg/Kg		11/02/17 12:58	11/15/17 19:46	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,4,6,7,8-HpCDD	83		40 - 135	11/02/17 12:58	11/15/17 19:46	1
13C-1,2,3,4,6,7,8-HpCDF	84		40 - 135	11/02/17 12:58	11/15/17 19:46	1
13C-1,2,3,4,7,8-HxCDF	81		40 - 135	11/02/17 12:58	11/15/17 19:46	1
13C-1,2,3,6,7,8-HxCDD	83		40 - 135	11/02/17 12:58	11/15/17 19:46	1
13C-1,2,3,7,8-PeCDD	85		40 - 135	11/02/17 12:58	11/15/17 19:46	1
13C-1,2,3,7,8-PeCDF	86		40 - 135	11/02/17 12:58	11/15/17 19:46	1
13C-2,3,7,8-TCDD	80		40 - 135	11/02/17 12:58	11/15/17 19:46	1
13C-2,3,7,8-TCDF	79		40 - 135	11/02/17 12:58	11/15/17 19:46	1
13C-OCDD	87		40 - 135	11/02/17 12:58	11/15/17 19:46	1

Lab Sample ID: LCS 320-192583/2-A
Matrix: Solid
Analysis Batch: 195126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	0.0000200	0.0000188		mg/Kg		94	77 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-1,2,3,4,6,7,8-HpCDD	82		40 - 135

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-192583/2-A
Matrix: Solid
Analysis Batch: 195126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 192583

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-1,2,3,4,6,7,8-HpCDF	79		40 - 135
13C-1,2,3,4,7,8-HxCDF	80		40 - 135
13C-1,2,3,6,7,8-HxCDD	78		40 - 135
13C-1,2,3,7,8-PeCDD	80		40 - 135
13C-1,2,3,7,8-PeCDF	80		40 - 135
13C-2,3,7,8-TCDD	77		40 - 135
13C-2,3,7,8-TCDF	77		40 - 135
13C-OCDD	84		40 - 135

Lab Sample ID: 680-144854-12 MS
Matrix: Solid
Analysis Batch: 195126

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192583

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,3,7,8-TCDD	0.0000019	U G	0.0000233	0.0000248		mg/Kg	☼	107	77 - 130		

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C-1,2,3,4,6,7,8-HpCDD	86	q	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	81		40 - 135
13C-1,2,3,4,7,8-HxCDF	93		40 - 135
13C-1,2,3,6,7,8-HxCDD	91		40 - 135
13C-1,2,3,7,8-PeCDD	92		40 - 135
13C-1,2,3,7,8-PeCDF	94		40 - 135
13C-2,3,7,8-TCDD	70		40 - 135
13C-2,3,7,8-TCDF	90		40 - 135
13C-OCDD	97		40 - 135

Lab Sample ID: 680-144854-12 MSD
Matrix: Solid
Analysis Batch: 195126

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192583

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD	0.0000019	U G	0.0000232	0.0000226		mg/Kg	☼	97	77 - 130	9	20

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C-1,2,3,4,6,7,8-HpCDD	105	q	40 - 135
13C-1,2,3,4,6,7,8-HpCDF	92		40 - 135
13C-1,2,3,4,7,8-HxCDF	92		40 - 135
13C-1,2,3,6,7,8-HxCDD	92		40 - 135
13C-1,2,3,7,8-PeCDD	90		40 - 135
13C-1,2,3,7,8-PeCDF	93		40 - 135
13C-2,3,7,8-TCDD	84		40 - 135
13C-2,3,7,8-TCDF	90		40 - 135
13C-OCDD	119		40 - 135

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Lab Sample ID: 680-144854-12 MS
Matrix: Solid
Analysis Batch: 195319

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192583

Isotope Dilution	MS %Recovery	MS Qualifier	Limits
13C-2,3,7,8-TCDF - RA	85		40 - 135

Lab Sample ID: 680-144854-12 MSD
Matrix: Solid
Analysis Batch: 195319

Client Sample ID: SB-204-1 (0-2) (102617)
Prep Type: Total/NA
Prep Batch: 192583

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C-2,3,7,8-TCDF - RA	83		40 - 135

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Specialty Organics

Prep Batch: 192576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-12	SB-204-1 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
680-144854-12 - DL	SB-204-1 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
680-144854-13	SB-204-2 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
680-144854-14	SB-204-3 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
680-144854-15	SB-207-1 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
680-144854-16	SB-207-2 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
680-144854-17	SB-207-3 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
MB 320-192576/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	
LCS 320-192576/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
680-144854-12 MS - DL	SB-204-1 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	
680-144854-12 MSD - DL	SB-204-1 (0-2) (102617)	Total/NA	Solid	HRMS-Sox	

Prep Batch: 192583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-12	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-12 - RA	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-13	SB-204-2 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-13 - RA	SB-204-2 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-14	SB-204-3 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-14 - RA	SB-204-3 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-15	SB-207-1 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-16	SB-207-2 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-17	SB-207-3 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-17 - RA	SB-207-3 (0-2) (102617)	Total/NA	Solid	8290	
MB 320-192583/1-A	Method Blank	Total/NA	Solid	8290	
LCS 320-192583/2-A	Lab Control Sample	Total/NA	Solid	8290	
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-12 MS - RA	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290	
680-144854-12 MSD - RA	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290	

Analysis Batch: 195126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-12	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-13	SB-204-2 (0-2) (102617)	Total/NA	Solid	8290A	192583
MB 320-192583/1-A	Method Blank	Total/NA	Solid	8290A	192583
LCS 320-192583/2-A	Lab Control Sample	Total/NA	Solid	8290A	192583
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290A	192583

Analysis Batch: 195136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-14	SB-204-3 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-15	SB-207-1 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-16	SB-207-2 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-17	SB-207-3 (0-2) (102617)	Total/NA	Solid	8290A	192583

Specialty Organics (Continued)

Analysis Batch: 195319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-12 - RA	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-13 - RA	SB-204-2 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-14 - RA	SB-204-3 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-17 - RA	SB-207-3 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-12 MS - RA	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290A	192583
680-144854-12 MSD - RA	SB-204-1 (0-2) (102617)	Total/NA	Solid	8290A	192583

Analysis Batch: 195879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-12	SB-204-1 (0-2) (102617)	Total/NA	Solid	1668C	192576
MB 320-192576/1-A	Method Blank	Total/NA	Solid	1668C	192576
LCS 320-192576/2-A	Lab Control Sample	Total/NA	Solid	1668C	192576
680-144854-12 MS	SB-204-1 (0-2) (102617)	Total/NA	Solid	1668C	192576
680-144854-12 MSD	SB-204-1 (0-2) (102617)	Total/NA	Solid	1668C	192576

Analysis Batch: 197053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-15	SB-207-1 (0-2) (102617)	Total/NA	Solid	1668C	192576
680-144854-16	SB-207-2 (0-2) (102617)	Total/NA	Solid	1668C	192576
680-144854-17	SB-207-3 (0-2) (102617)	Total/NA	Solid	1668C	192576

Analysis Batch: 197081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-12 - DL	SB-204-1 (0-2) (102617)	Total/NA	Solid	1668C	192576
680-144854-13	SB-204-2 (0-2) (102617)	Total/NA	Solid	1668C	192576
680-144854-14	SB-204-3 (0-2) (102617)	Total/NA	Solid	1668C	192576
680-144854-12 MS - DL	SB-204-1 (0-2) (102617)	Total/NA	Solid	1668C	192576
680-144854-12 MSD - DL	SB-204-1 (0-2) (102617)	Total/NA	Solid	1668C	192576

Analysis Batch: 199021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-144854-12	SB-204-1 (0-2) (102617)	Total/NA	Solid	None	
680-144854-13	SB-204-2 (0-2) (102617)	Total/NA	Solid	None	
680-144854-14	SB-204-3 (0-2) (102617)	Total/NA	Solid	None	
680-144854-15	SB-207-1 (0-2) (102617)	Total/NA	Solid	None	
680-144854-16	SB-207-2 (0-2) (102617)	Total/NA	Solid	None	
680-144854-17	SB-207-3 (0-2) (102617)	Total/NA	Solid	None	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-204-1 (0-2) (102617)
Lab Sample ID: 680-144854-12
Date Collected: 10/26/17 15:00
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			199021	12/08/17 11:12	SHK	TAL SAC

Client Sample ID: SB-204-1 (0-2) (102617)
Lab Sample ID: 680-144854-12
Date Collected: 10/26/17 15:00
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19.72 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C		1			195879	11/21/17 23:53	KSS	TAL SAC
Total/NA	Prep	HRMS-Sox	DL		19.72 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C	DL	20			197081	11/29/17 07:37	KSS	TAL SAC
Total/NA	Prep	8290			19.72 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A		1			195126	11/15/17 23:48	SMA	TAL SAC
Total/NA	Prep	8290	RA		19.72 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A	RA	1			195319	11/17/17 01:48	KSS	TAL SAC

Client Sample ID: SB-204-2 (0-2) (102617)
Lab Sample ID: 680-144854-13
Date Collected: 10/26/17 15:10
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			199021	12/08/17 11:12	SHK	TAL SAC

Client Sample ID: SB-204-2 (0-2) (102617)
Lab Sample ID: 680-144854-13
Date Collected: 10/26/17 15:10
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19.95 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C		20			197081	11/29/17 11:22	KSS	TAL SAC
Total/NA	Prep	8290			19.95 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A		1			195126	11/16/17 02:14	SMA	TAL SAC
Total/NA	Prep	8290	RA		19.95 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A	RA	1			195319	11/17/17 03:42	KSS	TAL SAC

Client Sample ID: SB-204-3 (0-2) (102617)
Lab Sample ID: 680-144854-14
Date Collected: 10/26/17 15:20
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			199021	12/08/17 11:12	SHK	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-204-3 (0-2) (102617)

Lab Sample ID: 680-144854-14
Date Collected: 10/26/17 15:20
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19.89 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C		20			197081	11/29/17 12:37	KSS	TAL SAC
Total/NA	Prep	8290			19.89 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A		1			195136	11/16/17 10:00	SMA	TAL SAC
Total/NA	Prep	8290	RA		19.89 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A	RA	1			195319	11/17/17 04:20	KSS	TAL SAC

Client Sample ID: SB-207-1 (0-2) (102617)

Lab Sample ID: 680-144854-15
Date Collected: 10/26/17 15:30
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			199021	12/08/17 11:12	SHK	TAL SAC

Client Sample ID: SB-207-1 (0-2) (102617)

Lab Sample ID: 680-144854-15
Date Collected: 10/26/17 15:30
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19.89 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C		5			197053	11/28/17 17:29	KSS	TAL SAC
Total/NA	Prep	8290			19.89 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A		1			195136	11/16/17 10:49	SMA	TAL SAC

Client Sample ID: SB-207-2 (0-2) (102617)

Lab Sample ID: 680-144854-16
Date Collected: 10/26/17 15:40
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			199021	12/08/17 11:12	SHK	TAL SAC

Client Sample ID: SB-207-2 (0-2) (102617)

Lab Sample ID: 680-144854-16
Date Collected: 10/26/17 15:40
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			19.90 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C		5			197053	11/28/17 18:44	KSS	TAL SAC
Total/NA	Prep	8290			19.90 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A		1			195136	11/16/17 11:38	SMA	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Client Sample ID: SB-207-3 (0-2) (102617)

Lab Sample ID: 680-144854-17
Date Collected: 10/26/17 15:50
Matrix: Solid
Date Received: 10/27/17 13:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			199021	12/08/17 11:12	SHK	TAL SAC

Client Sample ID: SB-207-3 (0-2) (102617)

Lab Sample ID: 680-144854-17
Date Collected: 10/26/17 15:50
Matrix: Solid
Date Received: 10/27/17 13:50
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			20.01 g	40.0 uL	192576	11/02/17 12:52	D1G	TAL SAC
Total/NA	Analysis	1668C		5			197053	11/28/17 19:59	KSS	TAL SAC
Total/NA	Prep	8290			20.01 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A		1			195136	11/16/17 12:26	SMA	TAL SAC
Total/NA	Prep	8290	RA		20.01 g	40.0 uL	192583	11/02/17 12:58	D1G	TAL SAC
Total/NA	Analysis	8290A	RA	1			195319	11/17/17 04:58	KSS	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204787

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact			
Company Name: Arcadis	Project Manager: Andy Davis	Site Contact:	Date: 10/27/17
Address: 10 Patewood Dr, Ste 375	Tel/Fax: Andrew.Davis@arcadis.com	Lab Contact: J. LANIER	Carrier:
City/State/Zip: Greenville, SC, 29615	Analysis Turnaround Time		
Phone: (864) 987-3900	☐ CALENDAR DAYS ☐ WORKING DAYS		
Fax:	TAT if different from Below STANDARD		
Project Name: Ashland	☐ 2 weeks		
Site: Savannah, GA	☐ 1 week		
P O #	☐ 2 days		
	☐ 1 day		

COC No: ____ of ____ COCs
Sampler: M. CREEL / B. MATEUX
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1,1-Biphenyl 8270D	PCB 8081B / 8082A	TEQ 1613C / 8290A	Sample Specific Notes:
SB-142-1 (01) (102617)	10/26/17	0830	G	So	1			✓			
SB-142-2 (0-1) (102617)	10/26/17	0840	G	So	1			✓			
SB-142-3 (0-1) (102617)	10/26/17	0850	G	So	1			✓			
EX-26-1 (0-2) (102617)	10/26/17	1000	G	So	1			✓			
EX-26-2 (0-2) (102617)	10/26/17	1010	G	So	1			✓			
EX-26-3 (0-2) (102617)	10/26/17	1020	G	So	1			✓			
Dup-2 (102617)	10/26/17	—	G	So	1			✓			Duplicate
SB-122-1 (0-1) (102617)	10/26/17	1230	G	So	1				✓		
SB-122-2 (0-1) (102617)	10/26/17	1240	G	So	1				✓		
SB-122-3 (0-1) (102617)	10/26/17	1250	G	So	1				✓		
SB-122-4 (0-1) (102617)	10/26/17	1300	G	So	1				✓		
SB-204-1 (0-2) (102617)	10/26/17	1500	G	So	6		Y		✓	✓	MS/MSD

680-144854 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ | Therm ID No.: ____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ARCADIS	10/27/17 1350			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TASAV	Date/Time: 10/27/17 1350

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

204793

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: SEE PAGE	Site Contact:	Date: 10/27/17	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	____ of ____ COCs
Address:	Analysis Turnaround Time			Sampler: M. CROSS / B. MATRUX
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PCB 8082B/8082A	TEQ 1668C/8290A	1,1-Biphenyl 8270D	TCLP SVOCs	TCLP PCBs	*Total PCBs*	Sample Specific Notes:
SB-204-2(0-2)(102617)	10/26/17	1510	G	So	2			✓	✓					* Confirmed analysis w/ A. Davis as total PCBs 10/30/17
SB-204-3 (0-2)(102617)	10/26/17	1520	G	So	2			✓	✓					
SB-207-1 (0-2)(102617)	10/26/17	1530	G	So	1				✓					
SB-207-2 (0-2)(102617)	10/26/17	1540	G	So	1				✓					
SB-207-3 (0-2)(102617)	10/26/17	1550	G	So	1				✓					
EB-3 (102617)	10/26/17	1615	G	WT	2					✓				
IDW-SOIL (102717)	10/27/17	1300	C	So	2						✓	✓		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company: ARCADIS	Date/Time: 10/27/17 1350	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: MJK	Company: TA SAV	Date/Time: 10/27/17 1350

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-144854-2

Login Number: 144854
List Number: 1
Creator: Flanagan, Naomi V

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-144854-2

Login Number: 144854
List Number: 2
Creator: Her, David A

List Source: TestAmerica Sacramento
List Creation: 11/01/17 10:36 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	414713
Sample custody seals, if present, are intact.	N/A	
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	3.8 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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	11-05-17 *
Arizona	State Program	9	AZ808	12-14-17 *
Arkansas DEQ	State Program	6	88-0692	02-01-18
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-17
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-17
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-17
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-17
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-17
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-17
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Savannah Resins Plant

TestAmerica Job ID: 680-144854-2

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	UST-055	12-18-17
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-18
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-18
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	12-31-17
L-A-B	DoD ELAP		L2468	01-20-18
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-18-18
Michigan	State Program	5	9947	01-31-18
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-28-18
Pennsylvania	NELAP	3	68-01272	03-31-18
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-17
Wyoming	State Program	8	8TMS-L	01-28-19

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: 680-147306-1
Client Project/Site: Hercules Savannah / Savannah Resins Plan
Revision: 1

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/12/2018 3:14:31 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 680-147306-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-147306-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/28/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.3º C, 3.8º C, 15.2º C and 16.5º C.

The final report was revised to exclude samples 680-147306-10, 680-147306-12, and 680-147306-14 from the final report per client request.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-F5 (122717) (680-147306-1), MW-F7 (122717) (680-147306-2), MW-F21 (122717) (680-147306-3), MW-27 (122717) (680-147306-4), MW-29 (122717) (680-147306-5), MWD-30 (122717) (680-147306-6), DUP-01 (122717) (680-147306-7) and MW-F15 (122817) (680-147306-9) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 01/03/2018 and 01/06/2018.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 680-508640 recovered outside control limits for the following analyte: Acrolein. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 680-508640.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL

Samples MW-F5 (122717) (680-147306-1), MW-F7 (122717) (680-147306-2), MW-F21 (122717) (680-147306-3), MW-27 (122717) (680-147306-4), MW-29 (122717) (680-147306-5), MWD-30 (122717) (680-147306-6), DUP-01 (122717) (680-147306-7), and TMW-22 (122817) (680-147306-13) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW-846 Method 8270D. The samples were prepared on 01/02/2018 and analyzed on 01/16/2018, 01/18/2018 and 01/19/2018.

The following analytes have been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: 1,4-Dioxane. These analytes may have a %D >20%, but must be <50%. If >50%, a CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-29 (122717) (680-147306-5) and MWD-30 (122717) (680-147306-6). These results have been reported and qualified.

The following sample was diluted due to the nature of the sample matrix and abundance of target analytes: TMW-22 (122817)

Job ID: 680-147306-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

(680-147306-13). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 680-508334 and analytical batch 680-509554 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 680-508334 and analytical batch 680-509554 was outside control limits. Sample matrix interference is suspected.

Refer to the QC report for details.

Sample TMW-22 (122817) (680-147306-13)[100X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples MW-F3R (122817) (680-147306-8), and TMW-19 (122817) (680-147306-11) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 01/02/2018 and analyzed on 01/05/2018.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Surrogate recovery for the following sample was outside of acceptance limits: MW-F3R (122817) (680-147306-8). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

DCB Decachlorobiphenyl and Tetrachloro-m-xylene failed the surrogate recovery criteria low for MW-F3R (122817) (680-147306-8). Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Subcontract Work

Method Asbestos: This method was subcontracted to EMSL Analytical, Inc.. The subcontract laboratory certification is different from that of the facility issuing the final report.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-147306-1	MW-F5 (122717)	Water	12/27/17 16:30	12/28/17 15:17
680-147306-2	MW-F7 (122717)	Water	12/27/17 11:50	12/28/17 15:17
680-147306-3	MW-F21 (122717)	Water	12/27/17 14:55	12/28/17 15:17
680-147306-4	MW-27 (122717)	Water	12/27/17 09:55	12/28/17 15:17
680-147306-5	MW-29 (122717)	Water	12/27/17 13:05	12/28/17 15:17
680-147306-6	MWD-30 (122717)	Water	12/27/17 15:40	12/28/17 15:17
680-147306-7	DUP-01 (122717)	Water	12/27/17 00:00	12/28/17 15:17
680-147306-8	MW-F3R (122817)	Water	12/28/17 14:00	12/28/17 15:17
680-147306-9	MW-F15 (122817)	Water	12/28/17 13:35	12/28/17 15:17
680-147306-11	TMW-19 (122817)	Water	12/28/17 14:40	12/28/17 15:17
680-147306-13	TMW-22 (122817)	Water	12/28/17 12:00	12/28/17 15:17

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL SAV
8082A	Polychlorinated Biphenyls (PCBs) by GC	SW846	TAL SAV
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

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside 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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F5 (122717) — Lab Sample ID: 680-147306-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	11		0.21	0.11	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW-F7 (122717) — Lab Sample ID: 680-147306-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.0		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW-F21 (122717) — Lab Sample ID: 680-147306-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.8		1.0	0.43	ug/L	1		8260B	Total/NA
m-Xylene & p-Xylene	0.46	J	1.0	0.35	ug/L	1		8260B	Total/NA
Xylenes, Total	0.46	J	1.0	0.23	ug/L	1		8260B	Total/NA
Acenaphthene	1.3		0.22	0.11	ug/L	1		8270D LL	Total/NA
1,4-Dioxane	3.3		2.2	0.33	ug/L	1		8270D LL	Total/NA
Fluorene	0.11	J	0.22	0.11	ug/L	1		8270D LL	Total/NA
Naphthalene	4.5		0.22	0.11	ug/L	1		8270D LL	Total/NA
Phenol	3.1		1.1	0.14	ug/L	1		8270D LL	Total/NA

Client Sample ID: MW-27 (122717) — Lab Sample ID: 680-147306-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.3		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW-29 (122717) — Lab Sample ID: 680-147306-5

No Detections.

Client Sample ID: MWD-30 (122717) — Lab Sample ID: 680-147306-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dibenzofuran	0.15	J	1.0	0.10	ug/L	1		8270D LL	Total/NA
Fluorene	0.13	J	0.21	0.10	ug/L	1		8270D LL	Total/NA

Client Sample ID: DUP-01 (122717) — Lab Sample ID: 680-147306-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.3		1.0	0.74	ug/L	1		8260B	Total/NA

Client Sample ID: MW-F3R (122817) — Lab Sample ID: 680-147306-8

No Detections.

Client Sample ID: MW-F15 (122817) — Lab Sample ID: 680-147306-9

No Detections.

Client Sample ID: TMW-19 (122817) — Lab Sample ID: 680-147306-11

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: TMW-22 (122817) — Lab Sample ID: 680-147306-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	1400		110	11	ug/L	100		8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F5 (122717)

Lab Sample ID: 680-147306-1

Date Collected: 12/27/17 16:30
Date Received: 12/28/17 15:17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			01/06/18 16:00	1
Acetonitrile	20	U	40	20	ug/L			01/06/18 16:00	1
Acrolein	8.7	U *	20	8.7	ug/L			01/06/18 16:00	1
Benzene	0.43	U	1.0	0.43	ug/L			01/06/18 16:00	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/06/18 16:00	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			01/06/18 16:00	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			01/06/18 16:00	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			01/06/18 16:00	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			01/06/18 16:00	1
Isobutyl alcohol	20	U	50	20	ug/L			01/06/18 16:00	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			01/06/18 16:00	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			01/06/18 16:00	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			01/06/18 16:00	1
o-Xylene	0.23	U	1.0	0.23	ug/L			01/06/18 16:00	1
Styrene	0.27	U	1.0	0.27	ug/L			01/06/18 16:00	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			01/06/18 16:00	1
Toluene	0.48	U	1.0	0.48	ug/L			01/06/18 16:00	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			01/06/18 16:00	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			01/06/18 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/06/18 16:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 131*		*01/06/18 16:00*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 122*		*01/06/18 16:00*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/18 16:00*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**11**		0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Acenaphthylene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Acetophenone	0.32	U	1.1	0.32	ug/L		01/02/18 15:09	01/16/18 22:39	1
Aniline	1.0	U	2.1	1.0	ug/L		01/02/18 15:09	01/16/18 22:39	1
Anthracene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Benzo[a]anthracene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Benzo[a]pyrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Benzo[b]fluoranthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Benzo[g,h,i]perylene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Benzo[k]fluoranthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
1,1'-Biphenyl	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Bis(2-chloroethyl)ether	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Bis(2-ethylhexyl) phthalate	2.1	U	5.3	2.1	ug/L		01/02/18 15:09	01/16/18 22:39	1
Butyl benzyl phthalate	0.13	U	1.1	0.13	ug/L		01/02/18 15:09	01/16/18 22:39	1
Chrysene	0.048	U	0.21	0.048	ug/L		01/02/18 15:09	01/16/18 22:39	1
Dibenz(a,h)anthracene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Dibenzofuran	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
2,4-Dimethylphenol	0.74	U	2.1	0.74	ug/L		01/02/18 15:09	01/16/18 22:39	1
1,3-Dinitrobenzene	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Di-n-octyl phthalate	0.18	U	1.1	0.18	ug/L		01/02/18 15:09	01/16/18 22:39	1
1,4-Dioxane	0.33	U	2.1	0.33	ug/L		01/02/18 15:09	01/16/18 22:39	1
Fluoranthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F5 (122717)

Lab Sample ID: 680-147306-1

Date Collected: 12/27/17 16:30
Matrix: Water
Date Received: 12/28/17 15:17

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
2-Methylphenol	0.79	U	2.1	0.79	ug/L		01/02/18 15:09	01/16/18 22:39	1
3 & 4 Methylphenol	0.71	U	2.1	0.71	ug/L		01/02/18 15:09	01/16/18 22:39	1
Naphthalene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
N-Nitrosodi-n-butylamine	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
N-Nitrosomethylethylamine	0.11	U	2.1	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Parathion	0.11	U	2.1	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Phenanthrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1
Phenol	0.14	U	1.1	0.14	ug/L		01/02/18 15:09	01/16/18 22:39	1
Pyrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/16/18 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*39 - 133*	*01/02/18 15:09*	*01/16/18 22:39*	*1*
2-Fluorobiphenyl (Surr)	*83*		*31 - 107*	*01/02/18 15:09*	*01/16/18 22:39*	*1*
2-Fluorophenol (Surr)	*70*		*18 - 112*	*01/02/18 15:09*	*01/16/18 22:39*	*1*
Terphenyl-d14 (Surr)	*73*		*22 - 121*	*01/02/18 15:09*	*01/16/18 22:39*	*1*
Phenol-d5 (Surr)	*75*		*20 - 113*	*01/02/18 15:09*	*01/16/18 22:39*	*1*
Nitrobenzene-d5 (Surr)	*82*		*37 - 103*	*01/02/18 15:09*	*01/16/18 22:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F7 (122717)

Lab Sample ID: 680-147306-2

Date Collected: 12/27/17 11:50
Date Received: 12/28/17 15:17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			01/06/18 16:23	1
Acetonitrile	20	U	40	20	ug/L			01/06/18 16:23	1
Acrolein	8.7	U *	20	8.7	ug/L			01/06/18 16:23	1
Benzene	0.43	U	1.0	0.43	ug/L			01/06/18 16:23	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/06/18 16:23	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			01/06/18 16:23	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			01/06/18 16:23	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			01/06/18 16:23	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			01/06/18 16:23	1
Isobutyl alcohol	20	U	50	20	ug/L			01/06/18 16:23	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			01/06/18 16:23	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			01/06/18 16:23	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			01/06/18 16:23	1
o-Xylene	0.23	U	1.0	0.23	ug/L			01/06/18 16:23	1
Styrene	0.27	U	1.0	0.27	ug/L			01/06/18 16:23	1
Tetrachloroethene	**5.0**		1.0	0.74	ug/L			01/06/18 16:23	1
Toluene	0.48	U	1.0	0.48	ug/L			01/06/18 16:23	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			01/06/18 16:23	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			01/06/18 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/06/18 16:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*73 - 131*		*01/06/18 16:23*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 122*		*01/06/18 16:23*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/18 16:23*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Acenaphthylene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Acetophenone	0.30	U	1.0	0.30	ug/L		01/02/18 15:09	01/16/18 23:04	1
Aniline	0.97	U	2.0	0.97	ug/L		01/02/18 15:09	01/16/18 23:04	1
Anthracene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Benzo[a]anthracene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Benzo[a]pyrene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Benzo[b]fluoranthene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Benzo[g,h,i]perylene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Benzo[k]fluoranthene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Bis(2-ethylhexyl) phthalate	2.0	U	5.0	2.0	ug/L		01/02/18 15:09	01/16/18 23:04	1
Butyl benzyl phthalate	0.12	U	1.0	0.12	ug/L		01/02/18 15:09	01/16/18 23:04	1
Chrysene	0.045	U	0.20	0.045	ug/L		01/02/18 15:09	01/16/18 23:04	1
Dibenz(a,h)anthracene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Dibenzofuran	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
2,4-Dimethylphenol	0.69	U	2.0	0.69	ug/L		01/02/18 15:09	01/16/18 23:04	1
1,3-Dinitrobenzene	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Di-n-octyl phthalate	0.17	U	1.0	0.17	ug/L		01/02/18 15:09	01/16/18 23:04	1
1,4-Dioxane	0.31	U	2.0	0.31	ug/L		01/02/18 15:09	01/16/18 23:04	1
Fluoranthene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F7 (122717)

Lab Sample ID: 680-147306-2

Date Collected: 12/27/17 11:50
Matrix: Water
Date Received: 12/28/17 15:17

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Indeno[1,2,3-cd]pyrene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
2-Methylphenol	0.74	U	2.0	0.74	ug/L		01/02/18 15:09	01/16/18 23:04	1
3 & 4 Methylphenol	0.66	U	2.0	0.66	ug/L		01/02/18 15:09	01/16/18 23:04	1
Naphthalene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
N-Nitrosodi-n-butylamine	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
N-Nitrosomethylethylamine	0.10	U	2.0	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Parathion	0.10	U	2.0	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Phenanthrene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1
Phenol	0.13	U	1.0	0.13	ug/L		01/02/18 15:09	01/16/18 23:04	1
Pyrene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 23:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*39 - 133*	*01/02/18 15:09*	*01/16/18 23:04*	*1*
2-Fluorobiphenyl (Surr)	*75*		*31 - 107*	*01/02/18 15:09*	*01/16/18 23:04*	*1*
2-Fluorophenol (Surr)	*61*		*18 - 112*	*01/02/18 15:09*	*01/16/18 23:04*	*1*
Terphenyl-d14 (Surr)	*87*		*22 - 121*	*01/02/18 15:09*	*01/16/18 23:04*	*1*
Phenol-d5 (Surr)	*69*		*20 - 113*	*01/02/18 15:09*	*01/16/18 23:04*	*1*
Nitrobenzene-d5 (Surr)	*72*		*37 - 103*	*01/02/18 15:09*	*01/16/18 23:04*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F21 (122717)

Lab Sample ID: 680-147306-3

Date Collected: 12/27/17 14:55
Date Received: 12/28/17 15:17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			01/06/18 16:45	1
Acetonitrile	20	U	40	20	ug/L			01/06/18 16:45	1
Acrolein	8.7	U *	20	8.7	ug/L			01/06/18 16:45	1
Benzene	**1.8**		1.0	0.43	ug/L			01/06/18 16:45	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/06/18 16:45	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			01/06/18 16:45	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			01/06/18 16:45	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			01/06/18 16:45	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			01/06/18 16:45	1
Isobutyl alcohol	20	U	50	20	ug/L			01/06/18 16:45	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			01/06/18 16:45	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			01/06/18 16:45	1
m-Xylene & p-Xylene	**0.46**	**J**	1.0	0.35	ug/L			01/06/18 16:45	1
o-Xylene	0.23	U	1.0	0.23	ug/L			01/06/18 16:45	1
Styrene	0.27	U	1.0	0.27	ug/L			01/06/18 16:45	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			01/06/18 16:45	1
Toluene	0.48	U	1.0	0.48	ug/L			01/06/18 16:45	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			01/06/18 16:45	1
Xylenes, Total	**0.46**	**J**	1.0	0.23	ug/L			01/06/18 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/06/18 16:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*73 - 131*		*01/06/18 16:45*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 122*		*01/06/18 16:45*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*01/06/18 16:45*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**1.3**		0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Acenaphthylene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Acetophenone	0.32	U	1.1	0.32	ug/L		01/02/18 15:09	01/16/18 23:28	1
Aniline	1.0	U	2.2	1.0	ug/L		01/02/18 15:09	01/16/18 23:28	1
Anthracene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Benzo[a]anthracene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Benzo[a]pyrene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Benzo[b]fluoranthene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Benzo[g,h,i]perylene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Benzo[k]fluoranthene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
1,1'-Biphenyl	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Bis(2-chloroethyl)ether	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Bis(2-ethylhexyl) phthalate	2.2	U	5.4	2.2	ug/L		01/02/18 15:09	01/16/18 23:28	1
Butyl benzyl phthalate	0.13	U	1.1	0.13	ug/L		01/02/18 15:09	01/16/18 23:28	1
Chrysene	0.048	U	0.22	0.048	ug/L		01/02/18 15:09	01/16/18 23:28	1
Dibenz(a,h)anthracene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Dibenzofuran	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
2,4-Dimethylphenol	0.74	U	2.2	0.74	ug/L		01/02/18 15:09	01/16/18 23:28	1
1,3-Dinitrobenzene	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Di-n-octyl phthalate	0.18	U	1.1	0.18	ug/L		01/02/18 15:09	01/16/18 23:28	1
1,4-Dioxane	**3.3**		2.2	0.33	ug/L		01/02/18 15:09	01/16/18 23:28	1
Fluoranthene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F21 (122717)

Lab Sample ID: 680-147306-3

Date Collected: 12/27/17 14:55
Date Received: 12/28/17 15:17

Matrix: Water

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**0.11**	**J**	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
2-Methylphenol	0.80	U	2.2	0.80	ug/L		01/02/18 15:09	01/16/18 23:28	1
3 & 4 Methylphenol	0.71	U	2.2	0.71	ug/L		01/02/18 15:09	01/16/18 23:28	1
Naphthalene	**4.5**		0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
N-Nitrosodi-n-butylamine	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
N-Nitrosomethylethylamine	0.11	U	2.2	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Parathion	0.11	U	2.2	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Phenanthrene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1
Phenol	**3.1**		1.1	0.14	ug/L		01/02/18 15:09	01/16/18 23:28	1
Pyrene	0.11	U	0.22	0.11	ug/L		01/02/18 15:09	01/16/18 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*96*		*39 - 133*	*01/02/18 15:09*	*01/16/18 23:28*	*1*
2-Fluorobiphenyl (Surr)	*81*		*31 - 107*	*01/02/18 15:09*	*01/16/18 23:28*	*1*
2-Fluorophenol (Surr)	*68*		*18 - 112*	*01/02/18 15:09*	*01/16/18 23:28*	*1*
Terphenyl-d14 (Surr)	*71*		*22 - 121*	*01/02/18 15:09*	*01/16/18 23:28*	*1*
Phenol-d5 (Surr)	*66*		*20 - 113*	*01/02/18 15:09*	*01/16/18 23:28*	*1*
Nitrobenzene-d5 (Surr)	*84*		*37 - 103*	*01/02/18 15:09*	*01/16/18 23:28*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-27 (122717)

Lab Sample ID: 680-147306-4

Date Collected: 12/27/17 09:55
Date Received: 12/28/17 15:17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			01/06/18 17:07	1
Acetonitrile	20	U	40	20	ug/L			01/06/18 17:07	1
Acrolein	8.7	U *	20	8.7	ug/L			01/06/18 17:07	1
Benzene	0.43	U	1.0	0.43	ug/L			01/06/18 17:07	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/06/18 17:07	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			01/06/18 17:07	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			01/06/18 17:07	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			01/06/18 17:07	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			01/06/18 17:07	1
Isobutyl alcohol	20	U	50	20	ug/L			01/06/18 17:07	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			01/06/18 17:07	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			01/06/18 17:07	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			01/06/18 17:07	1
o-Xylene	0.23	U	1.0	0.23	ug/L			01/06/18 17:07	1
Styrene	0.27	U	1.0	0.27	ug/L			01/06/18 17:07	1
Tetrachloroethene	**1.3**		1.0	0.74	ug/L			01/06/18 17:07	1
Toluene	0.48	U	1.0	0.48	ug/L			01/06/18 17:07	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			01/06/18 17:07	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			01/06/18 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*01/06/18 17:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 131*		*01/06/18 17:07*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 122*		*01/06/18 17:07*	*1*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*		*01/06/18 17:07*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Acenaphthylene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Acetophenone	0.31	U	1.0	0.31	ug/L		01/02/18 15:09	01/18/18 18:27	1
Aniline	1.0	U	2.1	1.0	ug/L		01/02/18 15:09	01/18/18 18:27	1
Anthracene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Benzo[a]anthracene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Benzo[a]pyrene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Benzo[b]fluoranthene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Benzo[g,h,i]perylene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Benzo[k]fluoranthene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Bis(2-ethylhexyl) phthalate	2.1	U	5.2	2.1	ug/L		01/02/18 15:09	01/18/18 18:27	1
Butyl benzyl phthalate	0.13	U	1.0	0.13	ug/L		01/02/18 15:09	01/18/18 18:27	1
Chrysene	0.047	U	0.21	0.047	ug/L		01/02/18 15:09	01/18/18 18:27	1
Dibenz(a,h)anthracene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Dibenzofuran	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
2,4-Dimethylphenol	0.72	U	2.1	0.72	ug/L		01/02/18 15:09	01/18/18 18:27	1
1,3-Dinitrobenzene	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Di-n-octyl phthalate	0.18	U	1.0	0.18	ug/L		01/02/18 15:09	01/18/18 18:27	1
1,4-Dioxane	0.32	U	2.1	0.32	ug/L		01/02/18 15:09	01/18/18 18:27	1
Fluoranthene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-27 (122717)

Lab Sample ID: 680-147306-4

Date Collected: 12/27/17 09:55
Matrix: Water
Date Received: 12/28/17 15:17

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Indeno[1,2,3-cd]pyrene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
2-Methylphenol	0.77	U	2.1	0.77	ug/L		01/02/18 15:09	01/18/18 18:27	1
3 & 4 Methylphenol	0.69	U	2.1	0.69	ug/L		01/02/18 15:09	01/18/18 18:27	1
Naphthalene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
N-Nitrosodi-n-butylamine	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
N-Nitrosomethylethylamine	0.10	U	2.1	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Parathion	0.10	U	2.1	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Phenanthrene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1
Phenol	0.14	U	1.0	0.14	ug/L		01/02/18 15:09	01/18/18 18:27	1
Pyrene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*39 - 133*	*01/02/18 15:09*	*01/18/18 18:27*	*1*
2-Fluorobiphenyl (Surr)	*90*		*31 - 107*	*01/02/18 15:09*	*01/18/18 18:27*	*1*
2-Fluorophenol (Surr)	*66*		*18 - 112*	*01/02/18 15:09*	*01/18/18 18:27*	*1*
Terphenyl-d14 (Surr)	*85*		*22 - 121*	*01/02/18 15:09*	*01/18/18 18:27*	*1*
Phenol-d5 (Surr)	*109*		*20 - 113*	*01/02/18 15:09*	*01/18/18 18:27*	*1*
Nitrobenzene-d5 (Surr)	*84*		*37 - 103*	*01/02/18 15:09*	*01/18/18 18:27*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-29 (122717)

Lab Sample ID: 680-147306-5

Date Collected: 12/27/17 13:05
Date Received: 12/28/17 15:17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			01/06/18 17:29	1
Acetonitrile	20	U	40	20	ug/L			01/06/18 17:29	1
Acrolein	8.7	U *	20	8.7	ug/L			01/06/18 17:29	1
Benzene	0.43	U	1.0	0.43	ug/L			01/06/18 17:29	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/06/18 17:29	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			01/06/18 17:29	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			01/06/18 17:29	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			01/06/18 17:29	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			01/06/18 17:29	1
Isobutyl alcohol	20	U	50	20	ug/L			01/06/18 17:29	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			01/06/18 17:29	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			01/06/18 17:29	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			01/06/18 17:29	1
o-Xylene	0.23	U	1.0	0.23	ug/L			01/06/18 17:29	1
Styrene	0.27	U	1.0	0.27	ug/L			01/06/18 17:29	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			01/06/18 17:29	1
Toluene	0.48	U	1.0	0.48	ug/L			01/06/18 17:29	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			01/06/18 17:29	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			01/06/18 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*01/06/18 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 131*		*01/06/18 17:29*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 122*		*01/06/18 17:29*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*01/06/18 17:29*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Acenaphthylene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Acetophenone	0.32	U	1.1	0.32	ug/L		01/02/18 15:09	01/18/18 18:52	1
Aniline	1.0	U	2.1	1.0	ug/L		01/02/18 15:09	01/18/18 18:52	1
Anthracene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Benzo[a]anthracene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Benzo[a]pyrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Benzo[b]fluoranthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Benzo[g,h,i]perylene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Benzo[k]fluoranthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
1,1'-Biphenyl	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Bis(2-chloroethyl)ether	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Bis(2-ethylhexyl) phthalate	2.1	U	5.4	2.1	ug/L		01/02/18 15:09	01/18/18 18:52	1
Butyl benzyl phthalate	0.13	U	1.1	0.13	ug/L		01/02/18 15:09	01/18/18 18:52	1
Chrysene	0.048	U	0.21	0.048	ug/L		01/02/18 15:09	01/18/18 18:52	1
Dibenz(a,h)anthracene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Dibenzofuran	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
2,4-Dimethylphenol	0.74	U	2.1	0.74	ug/L		01/02/18 15:09	01/18/18 18:52	1
1,3-Dinitrobenzene	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Di-n-octyl phthalate	0.18	U	1.1	0.18	ug/L		01/02/18 15:09	01/18/18 18:52	1
1,4-Dioxane	0.33	U	2.1	0.33	ug/L		01/02/18 15:09	01/18/18 18:52	1
Fluoranthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-29 (122717)

Lab Sample ID: 680-147306-5

Date Collected: 12/27/17 13:05
Matrix: Water
Date Received: 12/28/17 15:17

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
2-Methylphenol	0.79	U	2.1	0.79	ug/L		01/02/18 15:09	01/18/18 18:52	1
3 & 4 Methylphenol	0.71	U	2.1	0.71	ug/L		01/02/18 15:09	01/18/18 18:52	1
Naphthalene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
N-Nitrosodi-n-butylamine	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
N-Nitrosomethylethylamine	0.11	U	2.1	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Parathion	0.11	U	2.1	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Phenanthrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1
Phenol	0.14	U	1.1	0.14	ug/L		01/02/18 15:09	01/18/18 18:52	1
Pyrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*39 - 133*	*01/02/18 15:09*	*01/18/18 18:52*	*1*
2-Fluorobiphenyl (Surr)	*88*		*31 - 107*	*01/02/18 15:09*	*01/18/18 18:52*	*1*
2-Fluorophenol (Surr)	*72*		*18 - 112*	*01/02/18 15:09*	*01/18/18 18:52*	*1*
Terphenyl-d14 (Surr)	*98*		*22 - 121*	*01/02/18 15:09*	*01/18/18 18:52*	*1*
Phenol-d5 (Surr)	*149*	*X*	*20 - 113*	*01/02/18 15:09*	*01/18/18 18:52*	*1*
Nitrobenzene-d5 (Surr)	*82*		*37 - 103*	*01/02/18 15:09*	*01/18/18 18:52*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MWD-30 (122717)

Lab Sample ID: 680-147306-6

Date Collected: 12/27/17 15:40
Date Received: 12/28/17 15:17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			01/06/18 17:51	1
Acetonitrile	20	U	40	20	ug/L			01/06/18 17:51	1
Acrolein	8.7	U *	20	8.7	ug/L			01/06/18 17:51	1
Benzene	0.43	U	1.0	0.43	ug/L			01/06/18 17:51	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/06/18 17:51	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			01/06/18 17:51	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			01/06/18 17:51	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			01/06/18 17:51	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			01/06/18 17:51	1
Isobutyl alcohol	20	U	50	20	ug/L			01/06/18 17:51	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			01/06/18 17:51	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			01/06/18 17:51	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			01/06/18 17:51	1
o-Xylene	0.23	U	1.0	0.23	ug/L			01/06/18 17:51	1
Styrene	0.27	U	1.0	0.27	ug/L			01/06/18 17:51	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			01/06/18 17:51	1
Toluene	0.48	U	1.0	0.48	ug/L			01/06/18 17:51	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			01/06/18 17:51	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			01/06/18 17:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/06/18 17:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*73 - 131*		*01/06/18 17:51*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 122*		*01/06/18 17:51*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*01/06/18 17:51*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Acenaphthylene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Acetophenone	0.31	U	1.0	0.31	ug/L		01/02/18 15:09	01/18/18 19:17	1
Aniline	1.0	U	2.1	1.0	ug/L		01/02/18 15:09	01/18/18 19:17	1
Anthracene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Benzo[a]anthracene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Benzo[a]pyrene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Benzo[b]fluoranthene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Benzo[g,h,i]perylene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Benzo[k]fluoranthene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Bis(2-ethylhexyl) phthalate	2.1	U	5.2	2.1	ug/L		01/02/18 15:09	01/18/18 19:17	1
Butyl benzyl phthalate	0.12	U	1.0	0.12	ug/L		01/02/18 15:09	01/18/18 19:17	1
Chrysene	0.047	U	0.21	0.047	ug/L		01/02/18 15:09	01/18/18 19:17	1
Dibenz(a,h)anthracene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Dibenzofuran	**0.15**	**J**	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
2,4-Dimethylphenol	0.72	U	2.1	0.72	ug/L		01/02/18 15:09	01/18/18 19:17	1
1,3-Dinitrobenzene	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Di-n-octyl phthalate	0.18	U	1.0	0.18	ug/L		01/02/18 15:09	01/18/18 19:17	1
1,4-Dioxane	0.32	U	2.1	0.32	ug/L		01/02/18 15:09	01/18/18 19:17	1
Fluoranthene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MWD-30 (122717)

Lab Sample ID: 680-147306-6

Date Collected: 12/27/17 15:40
Matrix: Water
Date Received: 12/28/17 15:17

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**0.13**	**J**	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Indeno[1,2,3-cd]pyrene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
2-Methylphenol	0.77	U	2.1	0.77	ug/L		01/02/18 15:09	01/18/18 19:17	1
3 & 4 Methylphenol	0.69	U	2.1	0.69	ug/L		01/02/18 15:09	01/18/18 19:17	1
Naphthalene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
N-Nitrosodi-n-butylamine	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
N-Nitrosomethylethylamine	0.10	U	2.1	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Parathion	0.10	U	2.1	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Phenanthrene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1
Phenol	0.14	U	1.0	0.14	ug/L		01/02/18 15:09	01/18/18 19:17	1
Pyrene	0.10	U	0.21	0.10	ug/L		01/02/18 15:09	01/18/18 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*39 - 133*	*01/02/18 15:09*	*01/18/18 19:17*	*1*
2-Fluorobiphenyl (Surr)	*73*		*31 - 107*	*01/02/18 15:09*	*01/18/18 19:17*	*1*
2-Fluorophenol (Surr)	*64*		*18 - 112*	*01/02/18 15:09*	*01/18/18 19:17*	*1*
Terphenyl-d14 (Surr)	*88*		*22 - 121*	*01/02/18 15:09*	*01/18/18 19:17*	*1*
Phenol-d5 (Surr)	*130*	*X*	*20 - 113*	*01/02/18 15:09*	*01/18/18 19:17*	*1*
Nitrobenzene-d5 (Surr)	*68*		*37 - 103*	*01/02/18 15:09*	*01/18/18 19:17*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: DUP-01 (122717)

Lab Sample ID: 680-147306-7

Date Collected: 12/27/17 00:00
Matrix: Water
Date Received: 12/28/17 15:17

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			01/06/18 18:13	1
Acetonitrile	20	U	40	20	ug/L			01/06/18 18:13	1
Acrolein	8.7	U *	20	8.7	ug/L			01/06/18 18:13	1
Benzene	0.43	U	1.0	0.43	ug/L			01/06/18 18:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/06/18 18:13	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			01/06/18 18:13	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			01/06/18 18:13	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			01/06/18 18:13	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			01/06/18 18:13	1
Isobutyl alcohol	20	U	50	20	ug/L			01/06/18 18:13	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			01/06/18 18:13	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			01/06/18 18:13	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			01/06/18 18:13	1
o-Xylene	0.23	U	1.0	0.23	ug/L			01/06/18 18:13	1
Styrene	0.27	U	1.0	0.27	ug/L			01/06/18 18:13	1
Tetrachloroethene	**1.3**		1.0	0.74	ug/L			01/06/18 18:13	1
Toluene	0.48	U	1.0	0.48	ug/L			01/06/18 18:13	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			01/06/18 18:13	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			01/06/18 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/06/18 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*73 - 131*		*01/06/18 18:13*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 122*		*01/06/18 18:13*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*01/06/18 18:13*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Acenaphthylene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Acetophenone	0.32	U	1.1	0.32	ug/L		01/02/18 15:09	01/18/18 19:41	1
Aniline	1.0	U	2.1	1.0	ug/L		01/02/18 15:09	01/18/18 19:41	1
Anthracene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Benzo[a]anthracene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Benzo[a]pyrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Benzo[b]fluoranthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Benzo[g,h,i]perylene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Benzo[k]fluoranthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
1,1'-Biphenyl	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Bis(2-chloroethyl)ether	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Bis(2-ethylhexyl) phthalate	2.1	U	5.3	2.1	ug/L		01/02/18 15:09	01/18/18 19:41	1
Butyl benzyl phthalate	0.13	U	1.1	0.13	ug/L		01/02/18 15:09	01/18/18 19:41	1
Chrysene	0.047	U	0.21	0.047	ug/L		01/02/18 15:09	01/18/18 19:41	1
Dibenz(a,h)anthracene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Dibenzofuran	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
2,4-Dimethylphenol	0.73	U	2.1	0.73	ug/L		01/02/18 15:09	01/18/18 19:41	1
1,3-Dinitrobenzene	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Di-n-octyl phthalate	0.18	U	1.1	0.18	ug/L		01/02/18 15:09	01/18/18 19:41	1
1,4-Dioxane	0.33	U	2.1	0.33	ug/L		01/02/18 15:09	01/18/18 19:41	1
Fluoranthene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1

Client Sample ID: DUP-01 (122717)

Lab Sample ID: 680-147306-7

Date Collected: 12/27/17 00:00

Matrix: Water

Date Received: 12/28/17 15:17

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
2-Methylphenol	0.78	U	2.1	0.78	ug/L		01/02/18 15:09	01/18/18 19:41	1
3 & 4 Methylphenol	0.70	U	2.1	0.70	ug/L		01/02/18 15:09	01/18/18 19:41	1
Naphthalene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
N-Nitrosodi-n-butylamine	0.11	U	1.1	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
N-Nitrosomethylethylamine	0.11	U	2.1	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Parathion	0.11	U	2.1	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Phenanthrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1
Phenol	0.14	U	1.1	0.14	ug/L		01/02/18 15:09	01/18/18 19:41	1
Pyrene	0.11	U	0.21	0.11	ug/L		01/02/18 15:09	01/18/18 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*39 - 133*	*01/02/18 15:09*	*01/18/18 19:41*	*1*
2-Fluorobiphenyl (Surr)	*75*		*31 - 107*	*01/02/18 15:09*	*01/18/18 19:41*	*1*
2-Fluorophenol (Surr)	*59*		*18 - 112*	*01/02/18 15:09*	*01/18/18 19:41*	*1*
Terphenyl-d14 (Surr)	*71*		*22 - 121*	*01/02/18 15:09*	*01/18/18 19:41*	*1*
Phenol-d5 (Surr)	*72*		*20 - 113*	*01/02/18 15:09*	*01/18/18 19:41*	*1*
Nitrobenzene-d5 (Surr)	*63*		*37 - 103*	*01/02/18 15:09*	*01/18/18 19:41*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F3R (122817)

Lab Sample ID: 680-147306-8

Date Collected: 12/28/17 14:00
Date Received: 12/28/17 15:17

Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.0070	U	0.050	0.0070	ug/L		01/02/18 14:22	01/05/18 19:24	1
Endrin	0.0053	U	0.050	0.0053	ug/L		01/02/18 14:22	01/05/18 19:24	1
Endrin aldehyde	0.0061	U	0.050	0.0061	ug/L		01/02/18 14:22	01/05/18 19:24	1
Methoxychlor	0.0098	U	0.050	0.0098	ug/L		01/02/18 14:22	01/05/18 19:24	1
PCB-1254	0.11	U	1.0	0.11	ug/L		01/02/18 14:22	01/05/18 19:24	1
PCB-1260	0.12	U	1.0	0.12	ug/L		01/02/18 14:22	01/05/18 19:24	1
PCB-1262	0.19	U	1.0	0.19	ug/L		01/02/18 14:22	01/05/18 19:24	1
PCB-1268	0.24	U	1.0	0.24	ug/L		01/02/18 14:22	01/05/18 19:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*5*	*p X*	*14 - 130*	*01/02/18 14:22*	*01/05/18 19:24*	*1*
Tetrachloro-m-xylene	*35*	*p X*	*40 - 130*	*01/02/18 14:22*	*01/05/18 19:24*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F15 (122817)

Lab Sample ID: 680-147306-9

Date Collected: 12/28/17 13:35
Date Received: 12/28/17 15:17

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.43	U	1.0	0.43	ug/L			01/03/18 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*01/03/18 01:54*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 122*		*01/03/18 01:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 131*		*01/03/18 01:54*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/03/18 01:54*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: TMW-19 (122817)

Lab Sample ID: 680-147306-11

Date Collected: 12/28/17 14:40
Matrix: Water
Date Received: 12/28/17 15:17

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.11	U	0.99	0.11	ug/L		01/02/18 14:22	01/05/18 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*16*	*p*	*14 - 130*	*01/02/18 14:22*	*01/05/18 19:52*	*1*
Tetrachloro-m-xylene	*46*	*p*	*40 - 130*	*01/02/18 14:22*	*01/05/18 19:52*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: TMW-22 (122817)

Lab Sample ID: 680-147306-13

Date Collected: 12/28/17 12:00
Matrix: Water
Date Received: 12/28/17 15:17

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1400		110	11	ug/L		01/02/18 15:09	01/19/18 13:02	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*39*		*31 - 107*	*01/02/18 15:09*	*01/18/18 20:31*	*1*
2-Fluorobiphenyl (Surr)	*0*	*D*	*31 - 107*	*01/02/18 15:09*	*01/19/18 13:02*	*100*
2-Fluorophenol (Surr)	*64*		*18 - 112*	*01/02/18 15:09*	*01/18/18 20:31*	*1*
2-Fluorophenol (Surr)	*0*	*D*	*18 - 112*	*01/02/18 15:09*	*01/19/18 13:02*	*100*
Nitrobenzene-d5 (Surr)	*70*		*37 - 103*	*01/02/18 15:09*	*01/18/18 20:31*	*1*
Nitrobenzene-d5 (Surr)	*0*	*D*	*37 - 103*	*01/02/18 15:09*	*01/19/18 13:02*	*100*
Phenol-d5 (Surr)	*68*		*20 - 113*	*01/02/18 15:09*	*01/18/18 20:31*	*1*
Phenol-d5 (Surr)	*0*	*D*	*20 - 113*	*01/02/18 15:09*	*01/19/18 13:02*	*100*
Terphenyl-d14 (Surr)	*65*		*22 - 121*	*01/02/18 15:09*	*01/18/18 20:31*	*1*
Terphenyl-d14 (Surr)	*0*	*D*	*22 - 121*	*01/02/18 15:09*	*01/19/18 13:02*	*100*
2,4,6-Tribromophenol (Surr)	*109*		*39 - 133*	*01/02/18 15:09*	*01/18/18 20:31*	*1*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*39 - 133*	*01/02/18 15:09*	*01/19/18 13:02*	*100*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	DBFM	BFB
Lab Sample ID	Client Sample ID	(80-120)	(73-131)	(80-122)	(80-120)
680-147306-1	MW-F5 (122717)	104	95	104	94
680-147306-2	MW-F7 (122717)	103	97	104	94
680-147306-3	MW-F21 (122717)	102	91	98	96
680-147306-4	MW-27 (122717)	103	95	104	92
680-147306-5	MW-29 (122717)	105	96	103	97
680-147306-6	MWD-30 (122717)	102	96	103	94
680-147306-7	DUP-01 (122717)	99	93	100	95
680-147306-9	MW-F15 (122817)	98	99	104	97

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	TPHL	PHL	NBZ
Lab Sample ID	Client Sample ID	(39-133)	(31-107)	(18-112)	(22-121)	(20-113)	(37-103)
680-147306-1	MW-F5 (122717)	98	83	70	73	75	82
680-147306-2	MW-F7 (122717)	91	75	61	87	69	72
680-147306-3	MW-F21 (122717)	96	81	68	71	66	84
680-147306-4	MW-27 (122717)	105	90	66	85	109	84
680-147306-5	MW-29 (122717)	103	88	72	98	149 X	82
680-147306-6	MWD-30 (122717)	92	73	64	88	130 X	68
680-147306-7	DUP-01 (122717)	88	75	59	71	72	63
680-147306-13	TMW-22 (122817)	109	39	64	65	68	70
680-147306-13	TMW-22 (122817)	0 D	0 D	0 D	0 D	0 D	0 D

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(14-130)	(40-130)
680-147306-8	MW-F3R (122817)	5 p X	35 p X
680-147306-11	TMW-19 (122817)	16 p	46 p

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

TCX = Tetrachloro-m-xylene

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-508573/9
Matrix: Water
Analysis Batch: 508573

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.43	U	1.0	0.43	ug/L			01/02/18 23:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*01/02/18 23:01*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 122*		*01/02/18 23:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 131*		*01/02/18 23:01*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/02/18 23:01*	*1*

Lab Sample ID: LCS 680-508573/4
Matrix: Water
Analysis Batch: 508573

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	52.3		ug/L		105	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 122*
1,2-Dichloroethane-d4 (Surr)	*100*		*73 - 131*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 680-508573/5
Matrix: Water
Analysis Batch: 508573

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
Benzene	50.0	52.3		ug/L		105	80 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 122*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 680-508640/9
Matrix: Water
Analysis Batch: 508640

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.0	U	10	7.0	ug/L			01/06/18 12:20	1
Acetonitrile	20	U	40	20	ug/L			01/06/18 12:20	1
Acrolein	8.7	U	20	8.7	ug/L			01/06/18 12:20	1
Benzene	0.43	U	1.0	0.43	ug/L			01/06/18 12:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			01/06/18 12:20	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			01/06/18 12:20	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			01/06/18 12:20	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			01/06/18 12:20	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-508640/9
Matrix: Water
Analysis Batch: 508640

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			01/06/18 12:20	1
Isobutyl alcohol	20	U	50	20	ug/L			01/06/18 12:20	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			01/06/18 12:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			01/06/18 12:20	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			01/06/18 12:20	1
o-Xylene	0.23	U	1.0	0.23	ug/L			01/06/18 12:20	1
Styrene	0.27	U	1.0	0.27	ug/L			01/06/18 12:20	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			01/06/18 12:20	1
Toluene	0.48	U	1.0	0.48	ug/L			01/06/18 12:20	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			01/06/18 12:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			01/06/18 12:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*01/06/18 12:20*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 122*		*01/06/18 12:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*73 - 131*		*01/06/18 12:20*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/06/18 12:20*	*1*

Lab Sample ID: LCS 680-508640/4
Matrix: Water
Analysis Batch: 508640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	242		ug/L		97	68 - 132
Acrolein	1000	1380	*	ug/L		138	72 - 136
Benzene	50.0	52.9		ug/L		106	80 - 120
Carbon disulfide	50.0	54.2		ug/L		108	77 - 129
Chlorobenzene	50.0	52.1		ug/L		104	80 - 120
1,2-Dichloropropane	50.0	50.5		ug/L		101	80 - 120
Ethylbenzene	50.0	53.8		ug/L		108	80 - 120
Ethyl methacrylate	50.0	53.1		ug/L		106	71 - 142
Isobutyl alcohol	1250	1170		ug/L		94	61 - 151
Methyl ethyl ketone (MEK)	250	232		ug/L		93	79 - 125
4-Methyl-2-pentanone (MIBK)	250	243		ug/L		97	80 - 134
m-Xylene & p-Xylene	50.0	53.3		ug/L		107	80 - 120
o-Xylene	50.0	52.9		ug/L		106	80 - 120
Styrene	50.0	53.6		ug/L		107	80 - 126
Tetrachloroethene	50.0	55.9		ug/L		112	71 - 123
Toluene	50.0	53.8		ug/L		108	80 - 120
trans-1,4-Dichloro-2-butene	50.0	42.5		ug/L		85	48 - 138
Xylenes, Total	100	106		ug/L		106	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*80 - 122*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 131*
Toluene-d8 (Surr)	*104*		*80 - 120*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-508640/5
Matrix: Water
Analysis Batch: 508640

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	250	221		ug/L		88	68 - 132	9	30
Acrolein	1000	1550	*	ug/L		155	72 - 136	12	30
Benzene	50.0	48.7		ug/L		97	80 - 120	8	20
Carbon disulfide	50.0	49.8		ug/L		100	77 - 129	9	20
Chlorobenzene	50.0	48.3		ug/L		97	80 - 120	8	20
1,2-Dichloropropane	50.0	47.9		ug/L		96	80 - 120	5	20
Ethylbenzene	50.0	49.4		ug/L		99	80 - 120	8	20
Ethyl methacrylate	50.0	48.6		ug/L		97	71 - 142	9	20
Isobutyl alcohol	1250	1060		ug/L		85	61 - 151	10	40
Methyl ethyl ketone (MEK)	250	214		ug/L		86	79 - 125	8	20
4-Methyl-2-pentanone (MIBK)	250	222		ug/L		89	80 - 134	9	20
m-Xylene & p-Xylene	50.0	49.2		ug/L		98	80 - 120	8	20
o-Xylene	50.0	49.4		ug/L		99	80 - 120	7	30
Styrene	50.0	50.3		ug/L		101	80 - 126	6	20
Tetrachloroethene	50.0	51.8		ug/L		104	71 - 123	8	20
Toluene	50.0	49.3		ug/L		99	80 - 120	9	20
trans-1,4-Dichloro-2-butene	50.0	38.8		ug/L		78	48 - 138	9	30
Xylenes, Total	100	98.6		ug/L		99	80 - 120	7	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 122*
1,2-Dichloroethane-d4 (Surr)	*92*		*73 - 131*
Toluene-d8 (Surr)	*97*		*80 - 120*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-508334/13-A
Matrix: Water
Analysis Batch: 509554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Acenaphthylene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Acetophenone	0.30	U	1.0	0.30	ug/L		01/02/18 15:09	01/16/18 20:13	1
Aniline	0.97	U	2.0	0.97	ug/L		01/02/18 15:09	01/16/18 20:13	1
Anthracene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Benzo[a]anthracene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Benzo[a]pyrene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Benzo[b]fluoranthene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Benzo[g,h,i]perylene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Benzo[k]fluoranthene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Bis(2-ethylhexyl) phthalate	2.0	U	5.0	2.0	ug/L		01/02/18 15:09	01/16/18 20:13	1
Butyl benzyl phthalate	0.12	U	1.0	0.12	ug/L		01/02/18 15:09	01/16/18 20:13	1
Chrysene	0.045	U	0.20	0.045	ug/L		01/02/18 15:09	01/16/18 20:13	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 680-508334/13-A
Matrix: Water
Analysis Batch: 509554

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 508334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Dibenzofuran	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
2,4-Dimethylphenol	0.69	U	2.0	0.69	ug/L		01/02/18 15:09	01/16/18 20:13	1
1,3-Dinitrobenzene	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Di-n-octyl phthalate	0.17	U	1.0	0.17	ug/L		01/02/18 15:09	01/16/18 20:13	1
1,4-Dioxane	0.31	U	2.0	0.31	ug/L		01/02/18 15:09	01/16/18 20:13	1
Fluoranthene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Fluorene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Indeno[1,2,3-cd]pyrene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
2-Methylphenol	0.74	U	2.0	0.74	ug/L		01/02/18 15:09	01/16/18 20:13	1
3 & 4 Methylphenol	0.66	U	2.0	0.66	ug/L		01/02/18 15:09	01/16/18 20:13	1
Naphthalene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
N-Nitrosodi-n-butylamine	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
N-Nitrosomethylethylamine	0.10	U	2.0	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Parathion	0.10	U	2.0	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Phenanthrene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1
Phenol	0.13	U	1.0	0.13	ug/L		01/02/18 15:09	01/16/18 20:13	1
Pyrene	0.10	U	0.20	0.10	ug/L		01/02/18 15:09	01/16/18 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*31 - 107*	*01/02/18 15:09*	*01/16/18 20:13*	*1*
2-Fluorophenol (Surr)	*72*		*18 - 112*	*01/02/18 15:09*	*01/16/18 20:13*	*1*
Nitrobenzene-d5 (Surr)	*79*		*37 - 103*	*01/02/18 15:09*	*01/16/18 20:13*	*1*
Phenol-d5 (Surr)	*88*		*20 - 113*	*01/02/18 15:09*	*01/16/18 20:13*	*1*
Terphenyl-d14 (Surr)	*88*		*22 - 121*	*01/02/18 15:09*	*01/16/18 20:13*	*1*
2,4,6-Tribromophenol (Surr)	*84*		*39 - 133*	*01/02/18 15:09*	*01/16/18 20:13*	*1*

Lab Sample ID: LCS 680-508334/14-A
Matrix: Water
Analysis Batch: 509554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508334

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	8.58		ug/L		86	41 - 130
Acenaphthylene	10.0	8.96		ug/L		90	37 - 130
Acetophenone	10.0	8.36		ug/L		84	45 - 130
Aniline	10.0	6.66		ug/L		67	10 - 130
Anthracene	10.0	8.72		ug/L		87	48 - 130
Benzo[a]anthracene	10.0	8.03		ug/L		80	52 - 130
Benzo[a]pyrene	10.0	8.47		ug/L		85	44 - 130
Benzo[b]fluoranthene	10.0	8.55		ug/L		86	44 - 130
Benzo[g,h,i]perylene	10.0	8.65		ug/L		86	31 - 130
Benzo[k]fluoranthene	10.0	8.32		ug/L		83	39 - 131
1,1'-Biphenyl	10.0	8.73		ug/L		87	35 - 130
Bis(2-chloroethyl)ether	10.0	9.74		ug/L		97	29 - 130
Bis(2-ethylhexyl) phthalate	10.0	8.25		ug/L		83	40 - 130
Butyl benzyl phthalate	10.0	8.87		ug/L		89	42 - 130
Chrysene	10.0	8.36		ug/L		84	47 - 130
Dibenz(a,h)anthracene	10.0	8.90		ug/L		89	36 - 130

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 680-508334/14-A
Matrix: Water
Analysis Batch: 509554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508334

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibenzofuran	10.0	9.35		ug/L		94	38 - 130
2,4-Dimethylphenol	10.0	9.23		ug/L		92	37 - 130
1,3-Dinitrobenzene	10.0	9.28		ug/L		93	52 - 130
Di-n-octyl phthalate	10.0	9.30		ug/L		93	43 - 130
1,4-Dioxane	10.0	6.83		ug/L		68	27 - 130
Fluoranthene	10.0	9.33		ug/L		93	50 - 130
Fluorene	10.0	9.32		ug/L		93	43 - 130
Indeno[1,2,3-cd]pyrene	10.0	9.23		ug/L		92	30 - 130
2-Methylphenol	10.0	8.73		ug/L		87	42 - 130
Naphthalene	10.0	7.80		ug/L		78	40 - 130
Phenanthrene	10.0	8.87		ug/L		89	49 - 130
Phenol	10.0	8.74		ug/L		87	37 - 130
Pyrene	10.0	8.06		ug/L		81	45 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*81*		*31 - 107*
2-Fluorophenol (Surr)	*73*		*18 - 112*
Nitrobenzene-d5 (Surr)	*79*		*37 - 103*
Phenol-d5 (Surr)	*85*		*20 - 113*
Terphenyl-d14 (Surr)	*79*		*22 - 121*
2,4,6-Tribromophenol (Surr)	*96*		*39 - 133*

Lab Sample ID: 680-147306-12 MS
Matrix: Water
Analysis Batch: 509554

Client Sample ID: TMW-21 (122817)
Prep Type: Total/NA
Prep Batch: 508334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.10	U F2	10.0	7.58		ug/L		76	41 - 130
Acenaphthylene	0.10	U	10.0	7.93		ug/L		79	37 - 130
Acetophenone	0.31	U	10.0	8.06		ug/L		81	45 - 130
Aniline	1.0	U F2	10.0	2.72	J	ug/L		27	10 - 130
Anthracene	0.23		10.0	8.74		ug/L		85	48 - 130
Benzo[a]anthracene	0.10	U	10.0	8.28		ug/L		83	52 - 130
Benzo[a]pyrene	0.10	U	10.0	9.35		ug/L		94	44 - 130
Benzo[b]fluoranthene	0.10	U	10.0	12.3		ug/L		123	44 - 130
Benzo[g,h,i]perylene	0.10	U F2 F1	10.0	2.23	F1	ug/L		22	31 - 130
Benzo[k]fluoranthene	0.10	U	10.0	9.42		ug/L		94	39 - 131
1,1'-Biphenyl	0.10	U	10.0	11.0		ug/L		110	35 - 130
Bis(2-chloroethyl)ether	0.10	U	10.0	8.66		ug/L		87	29 - 130
Bis(2-ethylhexyl) phthalate	2.1	U	10.0	8.35	J	ug/L		83	40 - 130
Butyl benzyl phthalate	0.12	U	10.0	8.57		ug/L		86	42 - 130
Chrysene	0.047	U	10.0	8.74		ug/L		87	47 - 130
Dibenz(a,h)anthracene	0.10	U F2 F1	10.0	2.73	F1	ug/L		27	36 - 130
Dibenzofuran	0.10	U F2	10.0	8.32		ug/L		83	38 - 130
2,4-Dimethylphenol	0.72	U	10.0	9.11		ug/L		91	37 - 130
1,3-Dinitrobenzene	0.10	U F2	10.0	8.53		ug/L		85	52 - 130
Di-n-octyl phthalate	0.18	U	10.0	8.72		ug/L		87	43 - 130
1,4-Dioxane	0.32	U	10.0	6.77		ug/L		68	27 - 130

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-147306-12 MS — **Client Sample ID: TMW-21 (122817)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 509554 — **Prep Batch: 508334**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.10	U	10.0	9.41		ug/L		94	50 - 130
Fluorene	0.10	U F2	10.0	8.29		ug/L		83	43 - 130
Indeno[1,2,3-cd]pyrene	0.10	U F2 F1	10.0	2.22	F1	ug/L		22	30 - 130
2-Methylphenol	0.77	U	10.0	8.03		ug/L		80	42 - 130
Naphthalene	0.10	U	10.0	7.45		ug/L		75	40 - 130
Phenanthrene	0.10	U	10.0	8.74		ug/L		87	49 - 130
Phenol	0.14	U	10.0	9.12		ug/L		91	37 - 130
Pyrene	0.10	U	10.0	7.57		ug/L		76	45 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*31 - 107*
2-Fluorophenol (Surr)	*60*		*18 - 112*
Nitrobenzene-d5 (Surr)	*69*		*37 - 103*
Phenol-d5 (Surr)	*89*		*20 - 113*
Terphenyl-d14 (Surr)	*59*		*22 - 121*
2,4,6-Tribromophenol (Surr)	*79*		*39 - 133*

Lab Sample ID: 680-147306-12 MSD — **Client Sample ID: TMW-21 (122817)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 509554 — **Prep Batch: 508334**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.10	U F2	11.6	9.60	F4	ug/L		83	41 - 130	24	20
Acenaphthylene	0.10	U	11.6	9.88		ug/L		85	37 - 130	22	30
Acetophenone	0.31	U	11.6	9.52		ug/L		82	45 - 130	17	30
Aniline	1.0	U F2	11.6	5.19	F4	ug/L		45	10 - 130	62	50
Anthracene	0.23		11.6	10.2		ug/L		86	48 - 130	15	20
Benzo[a]anthracene	0.10	U	11.6	9.67		ug/L		83	52 - 130	15	20
Benzo[a]pyrene	0.10	U	11.6	10.9		ug/L		94	44 - 130	15	30
Benzo[b]fluoranthene	0.10	U	11.6	11.9		ug/L		102	44 - 130	3	40
Benzo[g,h,i]perylene	0.10	U F2 F1	11.6	3.47	F1 F4	ug/L		30	31 - 130	44	40
Benzo[k]fluoranthene	0.10	U	11.6	10.3		ug/L		88	39 - 131	8	30
1,1'-Biphenyl	0.10	U	11.6	13.3		ug/L		115	35 - 130	19	30
Bis(2-chloroethyl)ether	0.10	U	11.6	10.2		ug/L		88	29 - 130	16	50
Bis(2-ethylhexyl) phthalate	2.1	U	11.6	9.40	J	ug/L		81	40 - 130	12	30
Butyl benzyl phthalate	0.12	U	11.6	9.55		ug/L		82	42 - 130	11	20
Chrysene	0.047	U	11.6	10.5		ug/L		91	47 - 130	18	30
Dibenz(a,h)anthracene	0.10	U F2 F1	11.6	4.83	F4	ug/L		42	36 - 130	56	30
Dibenzofuran	0.10	U F2	11.6	10.6	F4	ug/L		91	38 - 130	24	20
2,4-Dimethylphenol	0.72	U	11.6	10.7		ug/L		93	37 - 130	16	30
1,3-Dinitrobenzene	0.10	U F2	11.6	11.3	F4	ug/L		97	52 - 130	28	20
Di-n-octyl phthalate	0.18	U	11.6	10.6		ug/L		91	43 - 130	19	30
1,4-Dioxane	0.32	U	11.6	7.36		ug/L		63	27 - 130	8	30
Fluoranthene	0.10	U	11.6	10.4		ug/L		89	50 - 130	10	20
Fluorene	0.10	U F2	11.6	10.5	F4	ug/L		90	43 - 130	23	20
Indeno[1,2,3-cd]pyrene	0.10	U F2 F1	11.6	4.97	F4	ug/L		43	30 - 130	76	30
2-Methylphenol	0.77	U	11.6	9.19		ug/L		79	42 - 130	14	30
Naphthalene	0.10	U	11.6	9.18		ug/L		79	40 - 130	21	30

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-147306-12 MSD — **Client Sample ID: TMW-21 (122817)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 509554 — **Prep Batch: 508334**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Phenanthrene	0.10	U	11.6	10.3		ug/L		89	49 - 130	17	20
Phenol	0.14	U	11.6	9.78		ug/L		84	37 - 130	7	40
Pyrene	0.10	U	11.6	9.25		ug/L		80	45 - 130	20	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*74*		*31 - 107*
2-Fluorophenol (Surr)	*64*		*18 - 112*
Nitrobenzene-d5 (Surr)	*70*		*37 - 103*
Phenol-d5 (Surr)	*94*		*20 - 113*
Terphenyl-d14 (Surr)	*55*		*22 - 121*
2,4,6-Tribromophenol (Surr)	*87*		*39 - 133*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Lab Sample ID: MB 680-508336/7-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 508588 — **Prep Batch: 508336**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
DDT	0.0070	U	0.050	0.0070	ug/L		01/02/18 14:22	01/05/18 18:41	1
Endrin	0.0053	U	0.050	0.0053	ug/L		01/02/18 14:22	01/05/18 18:41	1
Endrin aldehyde	0.0061	U	0.050	0.0061	ug/L		01/02/18 14:22	01/05/18 18:41	1
Methoxychlor	0.0098	U	0.050	0.0098	ug/L		01/02/18 14:22	01/05/18 18:41	1
PCB-1254	0.11	U	1.0	0.11	ug/L		01/02/18 14:22	01/05/18 18:41	1
PCB-1260	0.12	U	1.0	0.12	ug/L		01/02/18 14:22	01/05/18 18:41	1
PCB-1262	0.19	U	1.0	0.19	ug/L		01/02/18 14:22	01/05/18 18:41	1
PCB-1268	0.24	U	1.0	0.24	ug/L		01/02/18 14:22	01/05/18 18:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*14 - 130*	*01/02/18 14:22*	*01/05/18 18:41*	*1*
Tetrachloro-m-xylene	*80*		*40 - 130*	*01/02/18 14:22*	*01/05/18 18:41*	*1*

Lab Sample ID: LCS 680-508336/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 508588 — **Prep Batch: 508336**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	6.00	5.05		ug/L		84	35 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*60*		*14 - 130*
Tetrachloro-m-xylene	*75*		*40 - 130*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC (Continued)

Lab Sample ID: LCS 680-508336/8-A
Matrix: Water
Analysis Batch: 508588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
DDT	0.100	0.0907		ug/L		91	47 - 134
Endrin	0.100	0.0798		ug/L		80	59 - 143
Endrin aldehyde	0.100	0.0909		ug/L		91	45 - 166
Methoxychlor	0.100	0.0996		ug/L		100	52 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*48*		*14 - 130*
Tetrachloro-m-xylene	*76*		*40 - 130*

Lab Sample ID: 680-147306-10 MS
Matrix: Water
Analysis Batch: 508588

Client Sample ID: TMW-18 (122817)
Prep Type: Total/NA
Prep Batch: 508336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	0.12	U	6.00	3.40		ug/L		57	35 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*27*		*14 - 130*
Tetrachloro-m-xylene	*67*		*40 - 130*

Lab Sample ID: 680-147306-10 MSD
Matrix: Water
Analysis Batch: 508588

Client Sample ID: TMW-18 (122817)
Prep Type: Total/NA
Prep Batch: 508336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	0.12	U	5.77	3.05		ug/L		53	35 - 130	11	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*26*		*14 - 130*
Tetrachloro-m-xylene	*68*		*40 - 130*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

GC/MS VOA

Analysis Batch: 508573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-9	MW-F15 (122817)	Total/NA	Water	8260B	

Analysis Batch: 508640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-1	MW-F5 (122717)	Total/NA	Water	8260B	
680-147306-2	MW-F7 (122717)	Total/NA	Water	8260B	
680-147306-3	MW-F21 (122717)	Total/NA	Water	8260B	
680-147306-4	MW-27 (122717)	Total/NA	Water	8260B	
680-147306-5	MW-29 (122717)	Total/NA	Water	8260B	
680-147306-6	MWD-30 (122717)	Total/NA	Water	8260B	
680-147306-7	DUP-01 (122717)	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 508334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-1	MW-F5 (122717)	Total/NA	Water	3520C	
680-147306-2	MW-F7 (122717)	Total/NA	Water	3520C	
680-147306-3	MW-F21 (122717)	Total/NA	Water	3520C	
680-147306-4	MW-27 (122717)	Total/NA	Water	3520C	
680-147306-5	MW-29 (122717)	Total/NA	Water	3520C	
680-147306-6	MWD-30 (122717)	Total/NA	Water	3520C	
680-147306-7	DUP-01 (122717)	Total/NA	Water	3520C	
680-147306-13	TMW-22 (122817)	Total/NA	Water	3520C	

Analysis Batch: 509554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-1	MW-F5 (122717)	Total/NA	Water	8270D LL	508334
680-147306-2	MW-F7 (122717)	Total/NA	Water	8270D LL	508334
680-147306-3	MW-F21 (122717)	Total/NA	Water	8270D LL	508334

Analysis Batch: 509703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-4	MW-27 (122717)	Total/NA	Water	8270D LL	508334
680-147306-5	MW-29 (122717)	Total/NA	Water	8270D LL	508334
680-147306-6	MWD-30 (122717)	Total/NA	Water	8270D LL	508334
680-147306-7	DUP-01 (122717)	Total/NA	Water	8270D LL	508334
680-147306-13	TMW-22 (122817)	Total/NA	Water	8270D LL	508334

Analysis Batch: 509896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-13	TMW-22 (122817)	Total/NA	Water	8270D LL	508334

GC Semi VOA

Prep Batch: 508336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-8	MW-F3R (122817)	Total/NA	Water	3520C	
680-147306-11	TMW-19 (122817)	Total/NA	Water	3520C	

GC Semi VOA (Continued)

Analysis Batch: 508588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-8	MW-F3R (122817)	Total/NA	Water	8082A	508336
680-147306-11	TMW-19 (122817)	Total/NA	Water	8082A	508336

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MW-F5 (122717)
Lab Sample ID: 680-147306-1
Date Collected: 12/27/17 16:30
Matrix: Water
Date Received: 12/28/17 15:17

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	508640	01/06/18 16:00	UI	TAL SAV
Total/NA	Prep	3520C			935.2 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			509554	01/16/18 22:39	NED	TAL SAV

Client Sample ID: MW-F7 (122717)
Lab Sample ID: 680-147306-2
Date Collected: 12/27/17 11:50
Matrix: Water
Date Received: 12/28/17 15:17

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	508640	01/06/18 16:23	UI	TAL SAV
Total/NA	Prep	3520C			999.6 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			509554	01/16/18 23:04	NED	TAL SAV

Client Sample ID: MW-F21 (122717)
Lab Sample ID: 680-147306-3
Date Collected: 12/27/17 14:55
Matrix: Water
Date Received: 12/28/17 15:17

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	508640	01/06/18 16:45	UI	TAL SAV
Total/NA	Prep	3520C			928.7 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			509554	01/16/18 23:28	NED	TAL SAV

Client Sample ID: MW-27 (122717)
Lab Sample ID: 680-147306-4
Date Collected: 12/27/17 09:55
Matrix: Water
Date Received: 12/28/17 15:17

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	508640	01/06/18 17:07	UI	TAL SAV
Total/NA	Prep	3520C			959.5 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			509703	01/18/18 18:27	NED	TAL SAV

Client Sample ID: MW-29 (122717)
Lab Sample ID: 680-147306-5
Date Collected: 12/27/17 13:05
Matrix: Water
Date Received: 12/28/17 15:17

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	508640	01/06/18 17:29	UI	TAL SAV
Total/NA	Prep	3520C			933.8 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			509703	01/18/18 18:52	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: MWD-30 (122717)

Lab Sample ID: 680-147306-6
Date Collected: 12/27/17 15:40
Matrix: Water
Date Received: 12/28/17 15:17

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	508640	01/06/18 17:51	UI	TAL SAV
Total/NA	Prep	3520C			961.6 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			509703	01/18/18 19:17	NED	TAL SAV

Client Sample ID: DUP-01 (122717)

Lab Sample ID: 680-147306-7
Date Collected: 12/27/17 00:00
Matrix: Water
Date Received: 12/28/17 15:17

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	508640	01/06/18 18:13	UI	TAL SAV
Total/NA	Prep	3520C			949.6 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			509703	01/18/18 19:41	NED	TAL SAV

Client Sample ID: MW-F3R (122817)

Lab Sample ID: 680-147306-8
Date Collected: 12/28/17 14:00
Matrix: Water
Date Received: 12/28/17 15:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1000.8 mL	10 mL	508336	01/02/18 14:22	CEW	TAL SAV
Total/NA	Analysis	8082A		1			508588	01/05/18 19:24	GEM	TAL SAV

Client Sample ID: MW-F15 (122817)

Lab Sample ID: 680-147306-9
Date Collected: 12/28/17 13:35
Matrix: Water
Date Received: 12/28/17 15:17

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	508573	01/03/18 01:54	JLK	TAL SAV

Client Sample ID: TMW-19 (122817)

Lab Sample ID: 680-147306-11
Date Collected: 12/28/17 14:40
Matrix: Water
Date Received: 12/28/17 15:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1008 mL	10 mL	508336	01/02/18 14:22	CEW	TAL SAV
Total/NA	Analysis	8082A		1			508588	01/05/18 19:52	GEM	TAL SAV

Client Sample ID: TMW-22 (122817)

Lab Sample ID: 680-147306-13
Date Collected: 12/28/17 12:00
Matrix: Water
Date Received: 12/28/17 15:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			942.7 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Client Sample ID: TMW-22 (122817)

Date Collected: 12/28/17 12:00
Date Received: 12/28/17 15:17

Lab Sample ID: 680-147306-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D LL		1			509703	01/18/18 20:31	NED	TAL SAV
Total/NA	Prep	3520C			942.7 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		100			509896	01/19/18 13:02	OK	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

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220210

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: ANDY DAVIS	Site Contact: JEN SUBETT	Date: 12/28/17	COC No:
Company Name: ARCADIS	Tel/Fax: 864.987.3900	Lab Contact: AMY RAGNALDSEAN	Carrier:	1 of 2 COCs
Address: 10 PATEWOOD DR. STE 375	Analysis Turnaround Time			Sampler:
City/State/Zip: GREENVILLE, SC 29615	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 864.987.3900	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: ASHLAND SAVANNAH	☐ 1 week			
Site: ASHLAND	☐ 2 days			Job / SDG No.:
PO# OH01000.GAGI	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs (8260B)	SVOCs (8270C)	8081A, 1242, 1268, 1660B	Asbestos (600/R-93/116)	PCB Aroclor 1254 (8082)	TEQ (1613B, 8290)	1,1-Biphenyl (8270D)	Benzene	Samp
MW-F5 (122717)	12/27/17	1630	G	WT	5			✓	✓							
MW-F7 (122717)	12/27/17	1150	G	WT	5			✓	✓							
MW-F21 (122717)	12/27/17	1455	G	WT	5			✓	✓							
MW-27 (122717)	12/27/17	0955	G	WT	5			✓	✓							
MW-29 (122717)	12/27/17	1305	G	WT	5			✓	✓							
MWD-30 (122717)	12/27/17	1540	G	WT	5			✓	✓							
DUP-01 (122717)	12/27/17	–	G	WT	5			✓	✓							
MW-F3R (122817)	12/28/17	1480	G	WT	2					✓						
MW-F15 (122817)	12/28/17	1335	G	WT	4						✓			✓		
TMW-18 (122817)	12/28/17	1300	G	WT	6							✓	✓			
TMW-19 (122817)	12/28/17	1440	G	WT	2							✓				
~~TMW-20~~			G	WT	6							✓	✓			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								2	1							

Samp: ME 12/28

680-147306 Chain of Custody

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ARCADIS	12/28/17 1520	[signature]	TASAV	12/28 1517
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

15.7 17.0 4.3 3.8
15.3 16.5 3.8 7.3

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220206

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: SEE PAGE 1 OF 2	Site Contact:	Date: 12/28/17	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1 OF 2	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1,1-DIPHENYLHYDRAZINE	Sample Specific Notes:
TMW-21 (122817)	12/28/17	1045	G	WT	2			✓	
TMW-22 (122817)	12/28/17	1200	G	WT	2			✓	
TMW-23 (122817)	12/28/17	1435	G	WT	2			✓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AJCLADIS	12/28/17 1520	[signature]	TAAV	12/28 1517
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

15.7 CT: 15.7 17.0 CT: 16.5 4.3 3.8 : CT 3.8 7.3 : CT

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147306-1

Login Number: 147306
List Number: 1
Creator: Tyler, Matthew M

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	Received same day of collection; chilling process has begun.
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-147306-2
Client Project/Site: Hercules Savannah / Savannah Resins Plan
Revision: 1

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/12/2018 3:19:10 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 680-147306-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-147306-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/28/2017 3:17 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 2.3º C, 3.8º C, 15.2º C and 16.5º C.

The final report was revised to exclude sample 680-147306-10 from the final report per client request.

CHLORINATED BIPHENYL CONGENERS

Sample MW-F3R (122817) (680-147306-8) was analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The sample was prepared on 01/09/2018 and 01/12/2018 and analyzed on 01/10/2018 and 01/16/2018.

PCB-180/193, PCB-183, PCB-44/47/65, PCB-52 and PCB-61/70/74/76 were detected in method blank MB 320-203109/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

PCB-118 was detected in method blank MB 320-203709/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Several analytes were detected in method blank MB 320-203709/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW-F3R (122817) (680-147306-8) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 1668. The samples were analyzed on 01/19/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-147306-8	MW-F3R (122817)	Water	12/28/17 14:00	12/28/17 15:17

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Method	Method Description	Protocol	Laboratory
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	TAL SAC
None	Total PCB Calculation from HRMS PCB-Congeners	TAL SOP	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Qualifiers

Dioxin

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Client Sample ID: MW-F3R (122817) — Lab Sample ID: 680-147306-8

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	7.8	J	200	0.87	pg/L	1		1668C	Total/NA
PCB-3	2.5	J	200	0.67	pg/L	1		1668C	Total/NA
PCB-44/47/65	47	J B	590	0.65	pg/L	1		1668C	Total/NA
PCB-49/69	1.8	J	390	0.57	pg/L	1		1668C	Total/NA
PCB-51	9.2	J	200	0.65	pg/L	1		1668C	Total/NA
PCB-52	2.1	J B	200	0.69	pg/L	1		1668C	Total/NA
PCB-61/70/74/76	2.2	J B	790	0.84	pg/L	1		1668C	Total/NA
PCB-68	2.6	J	200	0.76	pg/L	1		1668C	Total/NA
PCB-95	3.0	J	200	1.6	pg/L	1		1668C	Total/NA
PCB-110/115	6.5	J	390	1.2	pg/L	1		1668C	Total/NA
PCB-118	4.7	J	20	1.3	pg/L	1		1668C	Total/NA
PCB-129/138/163	6.0	J	590	1.4	pg/L	1		1668C	Total/NA
PCB-147/149	2.9	J	390	1.4	pg/L	1		1668C	Total/NA
PCB-153/168	3.7	J	390	1.2	pg/L	1		1668C	Total/NA
PCB-180/193	1.2	J B	390	0.44	pg/L	1		1668C	Total/NA
PCB-183	1.3	J B	200	0.42	pg/L	1		1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	100	J	200	20	pg/L	1		None	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Client Sample ID: MW-F3R (122817)

Lab Sample ID: 680-147306-8

Date Collected: 12/28/17 14:00
Matrix: Water
Date Received: 12/28/17 15:17

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**7.8**	**J**	200	0.87	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-2	0.66	U	200	0.66	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-3	**2.5**	**J**	200	0.67	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-4	7.6	U	200	7.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-5	6.6	U	200	6.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-6	6.9	U	200	6.9	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-7	6.6	U	200	6.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-8	6.8	U	200	6.8	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-9	6.9	U	200	6.9	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-10	5.2	U	200	5.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-11	6.7	U	200	6.7	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-12/13	6.6	U	390	6.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-14	5.8	U	200	5.8	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-15	6.6	U	200	6.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-16	2.1	U	200	2.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-17	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-18/30	1.4	U	390	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-19	1.9	U	200	1.9	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-20/28	1.5	U	390	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-21/33	1.4	U	390	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-22	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-23	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-24	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-25	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-26/29	1.5	U	390	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-27	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-31	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-32	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-34	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-35	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-36	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-37	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-38	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-39	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-40/71	0.69	U	390	0.69	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-41	0.80	U	200	0.80	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-42	0.75	U	200	0.75	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-43	0.82	U	200	0.82	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-44/47/65	**47**	**J B**	590	0.65	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-45	0.78	U	200	0.78	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-46	0.81	U	200	0.81	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-48	0.69	U	200	0.69	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-49/69	**1.8**	**J**	390	0.57	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-50/53	0.66	U	390	0.66	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-51	**9.2**	**J**	200	0.65	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-52	**2.1**	**J B**	200	0.69	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-54	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-55	0.86	U	200	0.86	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-56	0.90	U	200	0.90	pg/L		01/09/18 07:42	01/10/18 21:01	1

Client Sample ID: MW-F3R (122817)

Lab Sample ID: 680-147306-8

Date Collected: 12/28/17 14:00

Matrix: Water

Date Received: 12/28/17 15:17

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.86	U	200	0.86	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-58	0.84	U	200	0.84	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-59/62/75	0.51	U	590	0.51	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-60	0.86	U	200	0.86	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-61/70/74/76	**2.2**	**J B**	790	0.84	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-63	0.77	U	200	0.77	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-64	0.48	U	200	0.48	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-66	0.88	U	200	0.88	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-67	0.81	U	200	0.81	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-68	**2.6**	**J**	200	0.76	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-72	0.81	U	200	0.81	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-73	0.52	U	200	0.52	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-77	0.86	U	20	0.86	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-78	0.88	U	200	0.88	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-79	0.77	U	200	0.77	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-80	0.75	U	200	0.75	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-81	0.89	U	20	0.89	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-82	2.0	U	200	2.0	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-83	2.1	U	200	2.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-84	1.8	U	200	1.8	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-85/116/117	1.4	U	590	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-86/87/97/108/119/125	1.4	U	1200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-88/91	1.6	U	390	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-89	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-90/101/113	1.4	U	590	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-92	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-93/100	1.6	U	390	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-107/124	1.3	U	390	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-94	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-95	**3.0**	**J**	200	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-96	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-98/102	1.5	U	390	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-99	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-103	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-104	0.98	U	200	0.98	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-105	1.3	U	20	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-106	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-110/115	**6.5**	**J**	390	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-109	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-111	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-112	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-114	1.3	U	20	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-118	**4.7**	**J**	20	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-120	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-121	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-122	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-123	1.3	U	20	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-126	1.5	U	20	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-127	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1

Client Sample ID: MW-F3R (122817)

Lab Sample ID: 680-147306-8

Date Collected: 12/28/17 14:00

Matrix: Water

Date Received: 12/28/17 15:17

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	1.3	U	390	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-129/138/163	**6.0**	**J**	590	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-130	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-131	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-132	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-133	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-134/143	1.6	U	390	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-135/151	1.4	U	390	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-136	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-137	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-139/140	1.4	U	390	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-141	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-142	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-144	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-145	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-146	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-147/149	**2.9**	**J**	390	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-148	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-150	0.99	U	200	0.99	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-152	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-153/168	**3.7**	**J**	390	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-154	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-155	0.85	U	200	0.85	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-156/157	1.4	U	39	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-158	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-159	0.89	U	200	0.89	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-160	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-161	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-162	0.86	U	200	0.86	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-164	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-165	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-167	0.80	U	20	0.80	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-169	0.85	U	20	0.85	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-170	0.54	U	200	0.54	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-171/173	0.55	U	390	0.55	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-172	0.54	U	200	0.54	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-174	0.59	U	200	0.59	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-175	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-176	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-177	0.54	U	200	0.54	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-178	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-179	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-180/193	**1.2**	**J B**	390	0.44	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-181	0.48	U	200	0.48	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-182	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-183	**1.3**	**J B**	200	0.42	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-184	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-185	0.51	U	200	0.51	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-186	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1

Client Sample ID: MW-F3R (122817)

Lab Sample ID: 680-147306-8

Date Collected: 12/28/17 14:00

Matrix: Water

Date Received: 12/28/17 15:17

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-188	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-189	0.71	U	20	0.71	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-190	0.39	U	200	0.39	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-191	0.40	U	200	0.40	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-192	0.42	U	200	0.42	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-194	0.99	U	200	0.99	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-195	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-196	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-197	0.78	U	200	0.78	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-198/199	1.2	U	390	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-200	0.95	U	200	0.95	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-201	0.86	U	200	0.86	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-202	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-203	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-204	0.89	U	200	0.89	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-205	0.74	U	200	0.74	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-206	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-207	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-208	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 21:01	1
PCB-209	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 21:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*60*		*5 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-3L	*72*		*5 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-4L	*73*		*5 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-15L	*89*		*5 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-19L	*90*		*5 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-37L	*84*		*5 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-54L	*66*		*5 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-77L	*104*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-81L	*102*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-104L	*78*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-105L	*93*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-114L	*90*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-118L	*91*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-123L	*92*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-126L	*86*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-155L	*96*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-156L/157L	*92*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-167L	*94*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-169L	*92*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-188L	*99*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-189L	*101*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-202L	*89*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-205L	*101*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-206L	*90*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-208L	*95*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-209L	*96*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Client Sample ID: MW-F3R (122817)

Lab Sample ID: 680-147306-8

Date Collected: 12/28/17 14:00
Matrix: Water
Date Received: 12/28/17 15:17

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*81*		*5 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-111L	*93*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*
PCB-178L	*98*		*10 - 145*	*01/09/18 07:42*	*01/10/18 21:01*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**100**	**J**	200	20	pg/L			01/19/18 07:42	1

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Client Sample ID: MW-F3R (122817)

Lab Sample ID: 680-147306-8

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	0.86	U	20	0.86	pg/L	0.0001	0.00	1668C
PCB-81	0.89	U	20	0.89	pg/L	0.0003	0.00	1668C
PCB-105	1.3	U	20	1.3	pg/L	0.00003	0.00	1668C
PCB-114	1.3	U	20	1.3	pg/L	0.00003	0.00	1668C
PCB-118	**4.7**	**J**	20	1.3	pg/L	0.00003	**0.00014**	1668C
PCB-123	1.3	U	20	1.3	pg/L	0.00003	0.00	1668C
PCB-126	1.5	U	20	1.5	pg/L	0.1	0.00	1668C
PCB-156/157	1.4	U	39	1.4	pg/L	0.00003	0.00	1668C
PCB-167	0.80	U	20	0.80	pg/L	0.00003	0.00	1668C
PCB-169	0.85	U	20	0.85	pg/L	0.03	0.00	1668C
PCB-189	0.71	U	20	0.71	pg/L	0.00003	0.00	1668C

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total PCB TEQ					pg/L		0.00014	TEQ
Total TEQ					pg/L		0.00014	TEQ

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**PCB28L (5-145)**	**PCB111L (10-145)**	**PCB178L (10-145)**					
680-147306-8	MW-F3R (122817)	81	93	98					

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB1L (5-145)	PCB3L (5-145)	PCB4L (5-145)	PCB15L (5-145)	PCB19L (5-145)	PCB37L (5-145)	PCB54L (5-145)	PCB77L (10-145)
680-147306-8	MW-F3R (122817)	60	72	73	89	90	84	66	104

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB81L (10-145)	PCB104L (10-145)	PCB105L (10-145)	P114L (10-145)	PCB118L (10-145)	PCB123L (10-145)	PCB126L (10-145)	PCB155L (10-145)
680-147306-8	MW-F3R (122817)	102	78	93	90	91	92	86	96

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	B-156L/15 (10-145)	PCB167L (10-145)	PCB169L (10-145)	PCB188L (10-145)	PCB189L (10-145)	PCB202L (10-145)	PCB205L (10-145)	PCB206L (10-145)
680-147306-8	MW-F3R (122817)	92	94	92	99	101	89	101	90

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB208L (10-145)	PCB209L (10-145)						
680-147306-8	MW-F3R (122817)	95	96						

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-203109/1-A
Matrix: Water
Analysis Batch: 203414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203109

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.67	U	200	0.67	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-2	0.52	U	200	0.52	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-3	0.54	U	200	0.54	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-4	5.8	U	200	5.8	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-5	5.5	U	200	5.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-6	5.8	U	200	5.8	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-7	5.5	U	200	5.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-8	5.7	U	200	5.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-9	5.7	U	200	5.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-10	4.3	U	200	4.3	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-11	5.6	U	200	5.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-12/13	5.5	U	400	5.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-14	4.8	U	200	4.8	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-15	5.7	U	200	5.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-16	1.9	U	200	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-17	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-18/30	1.3	U	400	1.3	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-19	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-20/28	1.0	U	400	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-21/33	0.95	U	400	0.95	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-22	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-23	0.97	U	200	0.97	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-24	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-25	0.97	U	200	0.97	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-26/29	0.97	U	400	0.97	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-27	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-31	0.92	U	200	0.92	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-32	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-34	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-35	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-36	0.94	U	200	0.94	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-37	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-38	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-39	0.92	U	200	0.92	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-40/71	0.85	U	400	0.85	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-41	0.99	U	200	0.99	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-42	0.92	U	200	0.92	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-43	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-44/47/65	2.79	J	600	0.80	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-45	0.96	U	200	0.96	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-46	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-48	0.85	U	200	0.85	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-49/69	0.70	U	400	0.70	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-50/53	0.81	U	400	0.81	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-51	0.80	U	200	0.80	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-52	1.94	J	200	0.85	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-54	0.67	U	200	0.67	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-55	0.92	U	200	0.92	pg/L		01/09/18 07:42	01/10/18 17:16	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-203109/1-A
Matrix: Water
Analysis Batch: 203414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203109

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-56	0.96	U	200	0.96	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-57	0.92	U	200	0.92	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-58	0.90	U	200	0.90	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-59/62/75	0.62	U	600	0.62	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-60	0.92	U	200	0.92	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-61/70/74/76	1.31	J	800	0.90	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-63	0.82	U	200	0.82	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-64	0.59	U	200	0.59	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-66	0.94	U	200	0.94	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-67	0.86	U	200	0.86	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-68	0.81	U	200	0.81	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-72	0.87	U	200	0.87	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-73	0.64	U	200	0.64	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-77	1.0	U	20	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-78	0.94	U	200	0.94	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-79	0.83	U	200	0.83	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-80	0.80	U	200	0.80	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-81	1.0	U	20	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-82	2.4	U	200	2.4	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-83	2.6	U	200	2.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-84	2.3	U	200	2.3	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-85/116/117	1.7	U	600	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-86/87/97/108/119/125	1.7	U	1200	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-88/91	1.9	U	400	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-89	2.1	U	200	2.1	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-90/101/113	1.8	U	600	1.8	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-92	2.0	U	200	2.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-93/100	1.9	U	400	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-107/124	1.6	U	400	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-94	2.0	U	200	2.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-95	1.9	U	200	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-96	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-98/102	1.9	U	400	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-99	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-103	1.8	U	200	1.8	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-104	0.97	U	200	0.97	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-105	1.8	U	20	1.8	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-106	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-110/115	1.5	U	400	1.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-109	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-111	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-112	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-114	1.7	U	20	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-118	1.7	U	20	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-120	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-121	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-122	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-123	1.7	U	20	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-203109/1-A
Matrix: Water
Analysis Batch: 203414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203109

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	1.9	U	20	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-127	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-128/166	1.6	U	400	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-129/138/163	1.7	U	600	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-130	2.1	U	200	2.1	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-131	1.9	U	200	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-132	1.9	U	200	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-133	1.9	U	200	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-134/143	1.9	U	400	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-135/151	1.8	U	400	1.8	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-136	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-137	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-139/140	1.7	U	400	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-141	1.9	U	200	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-142	2.0	U	200	2.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-144	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-145	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-146	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-147/149	1.7	U	400	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-148	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-150	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-152	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-153/168	1.4	U	400	1.4	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-154	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-155	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-156/157	1.2	U	40	1.2	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-158	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-159	0.82	U	200	0.82	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-160	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-161	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-162	0.79	U	200	0.79	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-164	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-165	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-167	0.70	U	20	0.70	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-169	0.80	U	20	0.80	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-170	0.83	U	200	0.83	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-171/173	0.85	U	400	0.85	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-172	0.83	U	200	0.83	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-174	0.91	U	200	0.91	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-175	1.8	U	200	1.8	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-176	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-177	0.84	U	200	0.84	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-178	1.8	U	200	1.8	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-179	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-180/193	1.51	J	400	0.69	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-181	0.75	U	200	0.75	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-182	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-183	1.26	J	200	0.65	pg/L		01/09/18 07:42	01/10/18 17:16	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-203109/1-A
Matrix: Water
Analysis Batch: 203414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203109

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-184	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-185	0.79	U	200	0.79	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-186	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-187	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-188	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-189	1.1	U	20	1.1	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-190	0.60	U	200	0.60	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-191	0.62	U	200	0.62	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-192	0.65	U	200	0.65	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-194	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-195	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-196	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-197	0.79	U	200	0.79	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-198/199	1.2	U	400	1.2	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-200	0.95	U	200	0.95	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-201	0.86	U	200	0.86	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-202	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-203	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-204	0.89	U	200	0.89	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-205	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-206	2.0	U	200	2.0	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-207	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-208	1.9	U	200	1.9	pg/L		01/09/18 07:42	01/10/18 17:16	1
PCB-209	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 17:16	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*64*		*5 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-3L	*71*		*5 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-4L	*74*		*5 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-15L	*81*		*5 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-19L	*86*		*5 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-37L	*80*		*5 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-54L	*69*		*5 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-77L	*82*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-81L	*82*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-104L	*83*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-105L	*84*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-114L	*83*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-118L	*84*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-123L	*83*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-126L	*81*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-155L	*91*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-156L/157L	*103*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-167L	*106*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-169L	*98*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-188L	*77*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-189L	*99*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*
PCB-202L	*76*		*10 - 145*	*01/09/18 07:42*	*01/10/18 17:16*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-203109/1-A
Matrix: Water
Analysis Batch: 203414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203109

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-205L	93		10 - 145	01/09/18 07:42	01/10/18 17:16	1
PCB-206L	85		10 - 145	01/09/18 07:42	01/10/18 17:16	1
PCB-208L	85		10 - 145	01/09/18 07:42	01/10/18 17:16	1
PCB-209L	89		10 - 145	01/09/18 07:42	01/10/18 17:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	87		5 - 145	01/09/18 07:42	01/10/18 17:16	1
PCB-111L	91		10 - 145	01/09/18 07:42	01/10/18 17:16	1
PCB-178L	101		10 - 145	01/09/18 07:42	01/10/18 17:16	1

Lab Sample ID: LCS 320-203109/2-A
Matrix: Water
Analysis Batch: 203414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203109

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	2000	1910		pg/L		96	60 - 135
PCB-3	2000	1970		pg/L		99	60 - 135
PCB-4	2000	2030		pg/L		102	60 - 135
PCB-15	2000	1940		pg/L		97	60 - 135
PCB-19	2000	2030		pg/L		102	60 - 135
PCB-37	2000	1940		pg/L		97	60 - 135
PCB-54	2000	2210		pg/L		111	60 - 135
PCB-77	2000	2060		pg/L		103	60 - 135
PCB-81	2000	2070		pg/L		104	60 - 135
PCB-104	2000	2310		pg/L		115	60 - 135
PCB-105	2000	2300		pg/L		115	60 - 135
PCB-114	2000	2260		pg/L		113	60 - 135
PCB-118	2000	2340		pg/L		117	60 - 135
PCB-123	2000	2280		pg/L		114	60 - 135
PCB-126	2000	2230		pg/L		111	60 - 135
PCB-155	2000	2350		pg/L		117	60 - 135
PCB-156/157	4000	4230		pg/L		106	60 - 135
PCB-167	2000	2090		pg/L		104	60 - 135
PCB-169	2000	2100		pg/L		105	60 - 135
PCB-188	2000	1990		pg/L		99	60 - 135
PCB-189	2000	1810		pg/L		90	60 - 135
PCB-202	2000	2190		pg/L		109	60 - 135
PCB-205	2000	1960		pg/L		98	60 - 135
PCB-206	2000	2220		pg/L		111	60 - 135
PCB-208	2000	2250		pg/L		112	60 - 135
PCB-209	2000	2090		pg/L		104	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	61		15 - 145
PCB-3L	70		15 - 145
PCB-4L	69		15 - 145
PCB-15L	81		15 - 145
PCB-19L	83		15 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-203109/2-A
Matrix: Water
Analysis Batch: 203414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203109

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-37L	*92*		*15 - 145*
PCB-54L	*59*		*15 - 145*
PCB-77L	*113*		*40 - 145*
PCB-81L	*114*		*40 - 145*
PCB-104L	*77*		*40 - 145*
PCB-105L	*97*		*40 - 145*
PCB-114L	*95*		*40 - 145*
PCB-118L	*95*		*40 - 145*
PCB-123L	*95*		*40 - 145*
PCB-126L	*93*		*40 - 145*
PCB-155L	*84*		*40 - 145*
PCB-156L/157L	*102*		*40 - 145*
PCB-167L	*104*		*40 - 145*
PCB-169L	*95*		*40 - 145*
PCB-188L	*89*		*40 - 145*
PCB-189L	*100*		*40 - 145*
PCB-202L	*85*		*40 - 145*
PCB-205L	*99*		*40 - 145*
PCB-206L	*87*		*40 - 145*
PCB-208L	*92*		*40 - 145*
PCB-209L	*96*		*40 - 145*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*81*		*15 - 145*
PCB-111L	*95*		*40 - 145*
PCB-178L	*103*		*40 - 145*

Lab Sample ID: LCSD 320-203109/3-A
Matrix: Water
Analysis Batch: 203516

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203109

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			2000	1920		pg/L		96	60 - 135	1	50
PCB-3			2000	1990		pg/L		99	60 - 135	1	50
PCB-4			2000	2070		pg/L		103	60 - 135	2	50
PCB-15			2000	1950		pg/L		97	60 - 135	1	50
PCB-19			2000	2070		pg/L		103	60 - 135	2	50
PCB-37			2000	1900		pg/L		95	60 - 135	2	50
PCB-54			2000	2260		pg/L		113	60 - 135	2	50
PCB-77			2000	2090		pg/L		104	60 - 135	1	50
PCB-81			2000	2090		pg/L		104	60 - 135	1	50
PCB-104			2000	2380		pg/L		119	60 - 135	3	50
PCB-105			2000	2310		pg/L		116	60 - 135	1	50
PCB-114			2000	2310		pg/L		116	60 - 135	3	50
PCB-118			2000	2380		pg/L		119	60 - 135	2	50
PCB-123			2000	2360		pg/L		118	60 - 135	3	50
PCB-126			2000	2290		pg/L		115	60 - 135	3	50
PCB-155			2000	2330		pg/L		117	60 - 135	1	50

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-203109/3-A
Matrix: Water
Analysis Batch: 203516

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203109

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-156/157			4000	4280		pg/L		107	60 - 135	1	50
PCB-167			2000	2150		pg/L		107	60 - 135	3	50
PCB-169			2000	2180		pg/L		109	60 - 135	4	50
PCB-188			2000	2060		pg/L		103	60 - 135	4	50
PCB-189			2000	1820		pg/L		91	60 - 135	1	50
PCB-202			2000	2170		pg/L		108	60 - 135	1	50
PCB-205			2000	2030		pg/L		102	60 - 135	3	50
PCB-206			2000	2270		pg/L		113	60 - 135	2	50
PCB-208			2000	2280		pg/L		114	60 - 135	1	50
PCB-209			2000	2120		pg/L		106	60 - 135	1	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*50*		*15 - 145*
PCB-3L	*62*		*15 - 145*
PCB-4L	*67*		*15 - 145*
PCB-15L	*77*		*15 - 145*
PCB-19L	*78*		*15 - 145*
PCB-37L	*77*		*15 - 145*
PCB-54L	*57*		*15 - 145*
PCB-77L	*81*		*40 - 145*
PCB-81L	*81*		*40 - 145*
PCB-104L	*80*		*40 - 145*
PCB-105L	*80*		*40 - 145*
PCB-114L	*84*		*40 - 145*
PCB-118L	*84*		*40 - 145*
PCB-123L	*83*		*40 - 145*
PCB-126L	*83*		*40 - 145*
PCB-155L	*87*		*40 - 145*
PCB-156L/157L	*93*		*40 - 145*
PCB-167L	*93*		*40 - 145*
PCB-169L	*81*		*40 - 145*
PCB-188L	*94*		*40 - 145*
PCB-189L	*96*		*40 - 145*
PCB-202L	*89*		*40 - 145*
PCB-205L	*89*		*40 - 145*
PCB-206L	*79*		*40 - 145*
PCB-208L	*88*		*40 - 145*
PCB-209L	*87*		*40 - 145*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*75*		*15 - 145*
PCB-111L	*86*		*40 - 145*
PCB-178L	*97*		*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-203709/1-A
Matrix: Water
Analysis Batch: 204192

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203709

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	2.18	J	200	0.44	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-2	0.35	U	200	0.35	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-3	1.30	J	200	0.37	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-4	6.4	U	200	6.4	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-5	2.9	U	200	2.9	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-6	3.0	U	200	3.0	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-7	2.9	U	200	2.9	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-8	2.9	U	200	2.9	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-9	3.0	U	200	3.0	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-10	4.8	U	200	4.8	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-11	2.9	U	200	2.9	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-12/13	2.9	U	400	2.9	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-14	2.5	U	200	2.5	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-15	3.0	U	200	3.0	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-16	1.6	U	200	1.6	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-17	3.14	J	200	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-18/30	4.16	J	400	1.1	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-19	1.3	U	200	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-20/28	6.97	J	400	0.88	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-21/33	3.14	J	400	0.83	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-22	0.90	U	200	0.90	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-23	0.85	U	200	0.85	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-24	0.96	U	200	0.96	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-25	0.85	U	200	0.85	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-26/29	0.85	U	400	0.85	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-27	0.91	U	200	0.91	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-31	4.26	J	200	0.80	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-32	6.25	J	200	0.87	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-34	0.88	U	200	0.88	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-35	0.89	U	200	0.89	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-36	0.82	U	200	0.82	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-37	1.0	U	200	1.0	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-38	0.90	U	200	0.90	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-39	0.80	U	200	0.80	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-40/71	7.81	J	400	0.71	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-41	0.83	U	200	0.83	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-42	5.09	J	200	0.77	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-43	0.85	U	200	0.85	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-44/47/65	43.4	J	600	0.67	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-45	0.80	U	200	0.80	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-46	2.04	J	200	0.84	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-48	1.99	J	200	0.71	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-49/69	24.6	J	400	0.59	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-50/53	9.63	J	400	0.68	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-51	5.86	J	200	0.67	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-52	89.6	J	200	0.72	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-54	1.37	J	200	0.48	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-55	0.81	U	200	0.81	pg/L		01/12/18 13:15	01/16/18 18:30	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-203709/1-A
Matrix: Water
Analysis Batch: 204192

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203709

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-56	3.49	J	200	0.85	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-57	0.81	U	200	0.81	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-58	2.44	J	200	0.79	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-59/62/75	0.52	U	600	0.52	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-60	1.48	J	200	0.81	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-61/70/74/76	36.3	J	800	0.79	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-63	0.72	U	200	0.72	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-64	8.21	J	200	0.50	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-66	11.8	J	200	0.83	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-67	0.76	U	200	0.76	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-68	0.71	U	200	0.71	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-72	0.76	U	200	0.76	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-73	0.54	U	200	0.54	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-77	0.94	U	20	0.94	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-78	0.82	U	200	0.82	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-79	0.73	U	200	0.73	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-80	0.70	U	200	0.70	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-81	0.93	U	20	0.93	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-82	6.01	J	200	2.0	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-83	2.2	U	200	2.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-84	25.9	J	200	1.9	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-85/116/117	9.25	J	600	1.4	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-86/87/97/108/119/125	45.7	J	1200	1.5	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-88/91	12.2	J	400	1.6	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-89	1.8	U	200	1.8	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-90/101/113	78.5	J	600	1.5	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-92	16.2	J	200	1.7	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-93/100	1.6	U	400	1.6	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-107/124	1.3	U	400	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-94	1.7	U	200	1.7	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-95	87.8	J	200	1.6	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-96	0.55	U	200	0.55	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-98/102	1.6	U	400	1.6	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-99	30.2	J	200	1.4	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-103	1.5	U	200	1.5	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-104	0.45	U	200	0.45	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-105	14.3	J	20	1.4	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-106	1.3	U	200	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-110/115	69.6	J	400	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-109	1.2	U	200	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-111	1.2	U	200	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-112	1.3	U	200	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-114	1.4	U	20	1.4	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-118	37.6		20	1.4	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-120	1.2	U	200	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-121	1.2	U	200	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-122	1.4	U	200	1.4	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-123	1.4	U	20	1.4	pg/L		01/12/18 13:15	01/16/18 18:30	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-203709/1-A
Matrix: Water
Analysis Batch: 204192

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203709

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	1.5	U	20	1.5	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-127	1.3	U	200	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-128/166	5.61	J	400	1.1	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-129/138/163	29.9	J	600	1.1	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-130	1.4	U	200	1.4	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-131	1.3	U	200	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-132	15.0	J	200	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-133	1.3	U	200	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-134/143	1.3	U	400	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-135/151	12.4	J	400	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-136	9.24	J	200	0.89	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-137	1.1	U	200	1.1	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-139/140	1.2	U	400	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-141	4.44	J	200	1.3	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-142	1.4	U	200	1.4	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-144	2.06	J	200	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-145	0.87	U	200	0.87	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-146	3.75	J	200	1.1	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-147/149	30.0	J	400	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-148	1.2	U	200	1.2	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-150	0.82	U	200	0.82	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-152	0.85	U	200	0.85	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-153/168	19.2	J	400	0.98	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-154	1.0	U	200	1.0	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-155	0.74	U	200	0.74	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-156/157	2.84	J	40	0.55	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-158	2.91	J	200	0.89	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-159	0.39	U	200	0.39	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-160	1.1	U	200	1.1	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-161	1.0	U	200	1.0	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-162	0.37	U	200	0.37	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-164	1.1	U	200	1.1	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-165	1.0	U	200	1.0	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-167	0.743	J	20	0.34	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-169	0.39	U	20	0.39	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-170	2.12	J	200	0.37	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-171/173	0.905	J	400	0.38	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-172	0.37	U	200	0.37	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-174	2.15	J	200	0.41	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-175	0.94	U	200	0.94	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-176	0.68	U	200	0.68	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-177	1.44	J	200	0.37	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-178	0.98	U	200	0.98	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-179	1.51	J	200	0.71	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-180/193	2.92	J	400	0.31	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-181	0.33	U	200	0.33	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-182	0.88	U	200	0.88	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-183	1.45	J	200	0.29	pg/L		01/12/18 13:15	01/16/18 18:30	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-203709/1-A
Matrix: Water
Analysis Batch: 204192

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203709

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-184	0.74	U	200	0.74	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-185	0.35	U	200	0.35	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-186	0.71	U	200	0.71	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-187	1.85	J	200	0.89	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-188	0.70	U	200	0.70	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-189	0.49	U	20	0.49	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-190	0.27	U	200	0.27	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-191	0.28	U	200	0.28	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-192	0.29	U	200	0.29	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-194	0.59	U	200	0.59	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-195	0.62	U	200	0.62	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-196	0.63	U	200	0.63	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-197	0.44	U	200	0.44	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-198/199	0.67	U	400	0.67	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-200	0.53	U	200	0.53	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-201	0.48	U	200	0.48	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-202	0.52	U	200	0.52	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-203	0.63	U	200	0.63	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-204	0.50	U	200	0.50	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-205	0.48	U	200	0.48	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-206	0.86	U	200	0.86	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-207	0.63	U	200	0.63	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-208	0.71	U	200	0.71	pg/L		01/12/18 13:15	01/16/18 18:30	1
PCB-209	0.69	U	200	0.69	pg/L		01/12/18 13:15	01/16/18 18:30	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*71*		*5 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-3L	*80*		*5 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-4L	*86*		*5 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-15L	*89*		*5 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-19L	*103*		*5 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-37L	*78*		*5 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-54L	*80*		*5 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-77L	*82*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-81L	*83*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-104L	*95*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-105L	*95*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-114L	*94*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-118L	*94*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-123L	*92*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-126L	*96*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-155L	*83*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-156L/157L	*86*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-167L	*86*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-169L	*78*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-188L	*97*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-189L	*92*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*
PCB-202L	*109*		*10 - 145*	*01/12/18 13:15*	*01/16/18 18:30*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-203709/1-A
Matrix: Water
Analysis Batch: 204192

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203709

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-205L	97		10 - 145	01/12/18 13:15	01/16/18 18:30	1
PCB-206L	95		10 - 145	01/12/18 13:15	01/16/18 18:30	1
PCB-208L	105		10 - 145	01/12/18 13:15	01/16/18 18:30	1
PCB-209L	101		10 - 145	01/12/18 13:15	01/16/18 18:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	80		5 - 145	01/12/18 13:15	01/16/18 18:30	1
PCB-111L	94		10 - 145	01/12/18 13:15	01/16/18 18:30	1
PCB-178L	100		10 - 145	01/12/18 13:15	01/16/18 18:30	1

Lab Sample ID: LCS 320-203709/2-A
Matrix: Water
Analysis Batch: 204192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	2000	1820		pg/L		91	60 - 135
PCB-3	2000	1900		pg/L		95	60 - 135
PCB-4	2000	2070		pg/L		104	60 - 135
PCB-15	2000	1980		pg/L		99	60 - 135
PCB-19	2000	2070		pg/L		104	60 - 135
PCB-37	2000	1950		pg/L		97	60 - 135
PCB-54	2000	2170		pg/L		109	60 - 135
PCB-77	2000	2010		pg/L		101	60 - 135
PCB-81	2000	2010		pg/L		100	60 - 135
PCB-104	2000	2100		pg/L		105	60 - 135
PCB-105	2000	2260		pg/L		113	60 - 135
PCB-114	2000	2190		pg/L		109	60 - 135
PCB-118	2000	2440		pg/L		122	60 - 135
PCB-123	2000	2240		pg/L		112	60 - 135
PCB-126	2000	2210		pg/L		110	60 - 135
PCB-155	2000	2070		pg/L		103	60 - 135
PCB-156/157	4000	4150		pg/L		104	60 - 135
PCB-167	2000	2060		pg/L		103	60 - 135
PCB-169	2000	2040		pg/L		102	60 - 135
PCB-188	2000	2090		pg/L		104	60 - 135
PCB-189	2000	1830		pg/L		92	60 - 135
PCB-202	2000	2080		pg/L		104	60 - 135
PCB-205	2000	1940		pg/L		97	60 - 135
PCB-206	2000	2070		pg/L		103	60 - 135
PCB-208	2000	2080		pg/L		104	60 - 135
PCB-209	2000	2100		pg/L		105	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	63		15 - 145
PCB-3L	73		15 - 145
PCB-4L	81		15 - 145
PCB-15L	83		15 - 145
PCB-19L	95		15 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-203709/2-A
Matrix: Water
Analysis Batch: 204192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203709

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-37L	*74*		*15 - 145*
PCB-54L	*72*		*15 - 145*
PCB-77L	*79*		*40 - 145*
PCB-81L	*79*		*40 - 145*
PCB-104L	*89*		*40 - 145*
PCB-105L	*91*		*40 - 145*
PCB-114L	*89*		*40 - 145*
PCB-118L	*89*		*40 - 145*
PCB-123L	*89*		*40 - 145*
PCB-126L	*91*		*40 - 145*
PCB-155L	*81*		*40 - 145*
PCB-156L/157L	*80*		*40 - 145*
PCB-167L	*82*		*40 - 145*
PCB-169L	*74*		*40 - 145*
PCB-188L	*97*		*40 - 145*
PCB-189L	*85*		*40 - 145*
PCB-202L	*109*		*40 - 145*
PCB-205L	*95*		*40 - 145*
PCB-206L	*94*		*40 - 145*
PCB-208L	*103*		*40 - 145*
PCB-209L	*102*		*40 - 145*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*73*		*15 - 145*
PCB-111L	*90*		*40 - 145*
PCB-178L	*95*		*40 - 145*

Lab Sample ID: LCSD 320-203709/3-A
Matrix: Water
Analysis Batch: 204192

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203709

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			2000	1790		pg/L		89	60 - 135	2	50
PCB-3			2000	1860		pg/L		93	60 - 135	2	50
PCB-4			2000	2020		pg/L		101	60 - 135	2	50
PCB-15			2000	1940		pg/L		97	60 - 135	2	50
PCB-19			2000	2000		pg/L		100	60 - 135	3	50
PCB-37			2000	1960		pg/L		98	60 - 135	1	50
PCB-54			2000	2140		pg/L		107	60 - 135	1	50
PCB-77			2000	2030		pg/L		102	60 - 135	1	50
PCB-81			2000	2050		pg/L		103	60 - 135	2	50
PCB-104			2000	2100		pg/L		105	60 - 135	0	50
PCB-105			2000	2340		pg/L		117	60 - 135	3	50
PCB-114			2000	2190		pg/L		110	60 - 135	0	50
PCB-118			2000	2570		pg/L		129	60 - 135	5	50
PCB-123			2000	2260		pg/L		113	60 - 135	1	50
PCB-126			2000	2190		pg/L		110	60 - 135	1	50
PCB-155			2000	2060		pg/L		103	60 - 135	1	50

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-203709/3-A
Matrix: Water
Analysis Batch: 204192

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203709

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-156/157			4000	4150		pg/L		104	60 - 135	0	50
PCB-167			2000	2050		pg/L		102	60 - 135	1	50
PCB-169			2000	2070		pg/L		104	60 - 135	2	50
PCB-188			2000	2090		pg/L		105	60 - 135	0	50
PCB-189			2000	1820		pg/L		91	60 - 135	1	50
PCB-202			2000	2080		pg/L		104	60 - 135	0	50
PCB-205			2000	1940		pg/L		97	60 - 135	0	50
PCB-206			2000	2050		pg/L		103	60 - 135	1	50
PCB-208			2000	2070		pg/L		103	60 - 135	1	50
PCB-209			2000	2110		pg/L		105	60 - 135	0	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*73*		*15 - 145*
PCB-3L	*82*		*15 - 145*
PCB-4L	*92*		*15 - 145*
PCB-15L	*90*		*15 - 145*
PCB-19L	*106*		*15 - 145*
PCB-37L	*77*		*15 - 145*
PCB-54L	*80*		*15 - 145*
PCB-77L	*82*		*40 - 145*
PCB-81L	*81*		*40 - 145*
PCB-104L	*92*		*40 - 145*
PCB-105L	*94*		*40 - 145*
PCB-114L	*92*		*40 - 145*
PCB-118L	*93*		*40 - 145*
PCB-123L	*92*		*40 - 145*
PCB-126L	*96*		*40 - 145*
PCB-155L	*82*		*40 - 145*
PCB-156L/157L	*83*		*40 - 145*
PCB-167L	*83*		*40 - 145*
PCB-169L	*77*		*40 - 145*
PCB-188L	*95*		*40 - 145*
PCB-189L	*84*		*40 - 145*
PCB-202L	*106*		*40 - 145*
PCB-205L	*96*		*40 - 145*
PCB-206L	*97*		*40 - 145*
PCB-208L	*102*		*40 - 145*
PCB-209L	*103*		*40 - 145*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*80*		*15 - 145*
PCB-111L	*94*		*40 - 145*
PCB-178L	*99*		*40 - 145*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-203711/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 204024 — **Prep Batch: 203711**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.36	U	10	0.36	pg/L		01/12/18 13:17	01/15/18 21:55	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*83*		*40 - 135*	*01/12/18 13:17*	*01/15/18 21:55*	*1*
13C-1,2,3,7,8-PeCDD	*94*		*40 - 135*	*01/12/18 13:17*	*01/15/18 21:55*	*1*
13C-1,2,3,6,7,8-HxCDD	*87*		*40 - 135*	*01/12/18 13:17*	*01/15/18 21:55*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*79*		*40 - 135*	*01/12/18 13:17*	*01/15/18 21:55*	*1*
13C-OCDD	*81*		*40 - 135*	*01/12/18 13:17*	*01/15/18 21:55*	*1*
13C-2,3,7,8-TCDF	*98*		*40 - 135*	*01/12/18 13:17*	*01/15/18 21:55*	*1*
13C-1,2,3,7,8-PeCDF	*92*		*40 - 135*	*01/12/18 13:17*	*01/15/18 21:55*	*1*
13C-1,2,3,4,7,8-HxCDF	*89*		*40 - 135*	*01/12/18 13:17*	*01/15/18 21:55*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*77*		*40 - 135*	*01/12/18 13:17*	*01/15/18 21:55*	*1*

Lab Sample ID: LCS 320-203711/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 204024 — **Prep Batch: 203711**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	200	201		pg/L		101	64 - 142

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*85*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*99*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*87*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*79*		*40 - 135*
13C-OCDD	*82*		*40 - 135*
13C-2,3,7,8-TCDF	*97*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*90*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*91*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*79*		*40 - 135*

Lab Sample ID: LCSD 320-203711/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 204024 — **Prep Batch: 203711**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD	200	209		pg/L		104	64 - 142	4	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*82*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*90*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*87*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*77*		*40 - 135*
13C-OCDD	*77*		*40 - 135*
13C-2,3,7,8-TCDF	*100*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*91*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*92*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*79*		*40 - 135*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Specialty Organics

Prep Batch: 203109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-8	MW-F3R (122817)	Total/NA	Water	HRMS-Sep	

Analysis Batch: 203414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-8	MW-F3R (122817)	Total/NA	Water	1668C	203109

Analysis Batch: 204585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-8	MW-F3R (122817)	Total/NA	Water	None	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Client Sample ID: MW-F3R (122817)

Date Collected: 12/28/17 14:00
Date Received: 12/28/17 15:17

Lab Sample ID: 680-147306-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sep			1013.5 mL	20.0 uL	203109	01/09/18 07:42	DXD	TAL SAC
Total/NA	Analysis	1668C		1			203414	01/10/18 21:01	KSS	TAL SAC
Total/NA	Analysis	None		1			204585	01/19/18 07:42	SHK	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220210

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: ANDY DAVIS	Site Contact: JEN SUBETT	Date: 12/28/17	COC No:
Company Name: ARCADIS	Tel/Fax: 864.987.3900	Lab Contact: AMY RAGNALDSEAN	Carrier:	1 of 2 COCs
Address: 10 PATEWOOD DR. STE 375	Analysis Turnaround Time			Sampler:
City/State/Zip: GREENVILLE, SC 29615	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 864.987.3900	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: ASHLAND SAVANNAH	☐ 1 week			
Site: ASHLAND	☐ 2 days			Job / SDG No.:
PO# OH01000.GAGI	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs (8260B)	SVOCs (8270C)	8081A, 1242, 1268, 1660B	Asbestos (600/R-93-116)	PCB Aroclor 1254 (8082)	TEQ (1613B, 8290)	1,1-Biphenyl (8270D)	Benzene	Samp
MW-F5 (122717)	12/27/17	1630	G	WT	5			✓	✓							
MW-F7 (122717)	12/27/17	1150	G	WT	5			✓	✓							
MW-F21 (122717)	12/27/17	1455	G	WT	5			✓	✓							
MW-27 (122717)	12/27/17	0955	G	WT	5			✓	✓							
MW-29 (122717)	12/27/17	1305	G	WT	5			✓	✓							
MWD-30 (122717)	12/27/17	1540	G	WT	5			✓	✓							
DUP-01 (122717)	12/27/17	–	G	WT	5			✓	✓							
MW-F3R (122817)	12/28/17	1480	G	WT	2					✓						
MW-F15 (122817)	12/28/17	1335	G	WT	4						✓			✓		
TMW-18 (122817)	12/28/17	1300	G	WT	6							✓	✓			
TMW-19 (122817)	12/28/17	1440	G	WT	2							✓				
~~TMW-20~~			G	WT	6							✓	✓			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								2	1							

680-147306 Chain of Custody

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ARCADIS	12/28/17 1520	[signature]	TASAV	12/28 1517
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

15.7 17.0 4.3 3.8
15.7 16.5 3.8 7.3

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220206

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: SEE PAGE 1 OF 2	Site Contact:	Date: 12/28/17	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1 OF 2	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	1,1 - DIPRENYLHYDRAZINE (8270D)	Sample Specific Notes:
TMW-21 (122817)	12/28/17	1045	G	WT	2			✓	
TMW-22 (122817)	12/28/17	1200	G	WT	2			✓	
TMW-23 (122817)	12/28/17	1435	G	WT	2			✓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AJCLADIS	12/28/17 1520	[signature]	TAAV	12/28 1517
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

15.7 CT: 15.7 17.0 CT: 16.5 4.3 3.8 : CT 3.8 7.3 : CT

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-503254.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147306-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 1/16/2018			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	Total_PCB_Cong	Total_TEQ	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
MW-F3R (122817) (680-147306-8)	12/28/17	14:00 Eastern		Water			X	X	X	1	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: [signature]	Date/Time: 12/29/17 1800	Company: TASA	Received by: [signature]	Date/Time: 12/30/17 910	Company: TASAC
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 4		

Ver: 09/20/2016

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-504324.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147306-2
Address: 880 Riverside Parkway, ,	Due Date Requested: 1/16/2018			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	Total_PCB_Cong	8290A/8290_P_Sep 17 Isomers & Totals	Total_TEQ	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
TMW-18 (122817) (680-147306-10)	12/28/17	13:00 Eastern		Water			X	X	X	X	2	, run as straight as possible

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification
Unconfirmed

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) Primary Deliverable Rank: 2

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: [signature]	Date/Time: 1/10/18 1800	Company: TAsav	Received by: [signature]	Date/Time: 1/11/18 1020	Company: TA Sav
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	-2	

Ver: 09/20/2016

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-506357.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147306-4
Address: 880 Riverside Parkway, ,	Due Date Requested: 2/14/2018			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	8290A/8290_P_Sep 17 Isomers & Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TMW-19 (122817) (680-147306-11)	12/28/17	14:40 Eastern		Water			X	X	1	, run as straight as possible

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 1/30/18 1700	Company: TASAV	Received by:	Date/Time: 1/31/18 930	Company: TA Sac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1-3		

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147306-2

Login Number: 147306

List Source: TestAmerica Savannah

List Number: 1

Creator: Tyler, Matthew M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	Received same day of collection; chilling process has begun.
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	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: ARCADIS U.S., Inc.

Job Number: 680-147306-2

Login Number: 147306
List Number: 2
Creator: Her, David A

List Source: TestAmerica Sacramento
List Creation: 12/30/17 11:15 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	43811
Sample custody seals, if present, are intact.	N/A	
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	1.7 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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	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: ARCADIS U.S., Inc.

Job Number: 680-147306-2

Login Number: 147306
List Number: 3
Creator: Aguayo, Alonso

List Source: TestAmerica Sacramento
List Creation: 01/11/18 04:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	1.2
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-2

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc. TestAmerica Job ID: 680-147306-2
Project/Site: Hercules Savannah / Savannah Resins Plan

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	10-31-18
L-A-B	DoD ELAP		L2468	01-20-21
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-14-18
Michigan	State Program	5	9947	01-31-18 *
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-18
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-147306-3
Client Project/Site: Hercules Savannah / Savannah Resins Plan

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Kathryn Smith

Authorized for release by:
2/2/2018 3:20:57 PM
Kathryn Smith, Manager of Project Management
(912)354-7858
kathy.smith@testamericainc.com

Designee for

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-147306-3

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-147306-3

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 12/28/2017; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.3º C, 3.8º C, 15.2º C and 16.5º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL
Sample TMW-18 (122817) (680-147306-10) was analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW-846 Method 8270D. The samples were prepared on 01/02/2018 and analyzed on 01/30/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS
Sample TMW-23 (122817) (680-147306-14) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 01/31/2018 and analyzed on 02/02/2018.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: TMW-23 (122817) (680-147306-14). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-147306-10	TMW-18 (122817)	Water	12/28/17 13:00	12/28/17 15:17
680-147306-14	TMW-23 (122817)	Water	12/28/17 14:35	12/28/17 15:17

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

Method	Method Description	Protocol	Laboratory
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	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 Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside 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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

Client Sample ID: TMW-18 (122817) — Lab Sample ID: 680-147306-10

No Detections.

Client Sample ID: TMW-23 (122817) — Lab Sample ID: 680-147306-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

Client Sample ID: TMW-18 (122817)

Lab Sample ID: 680-147306-10

Date Collected: 12/28/17 13:00

Matrix: Water

Date Received: 12/28/17 15:17

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		01/02/18 15:09	01/30/18 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*31 - 107*	*01/02/18 15:09*	*01/30/18 14:39*	*1*
2-Fluorophenol (Surr)	*72*		*18 - 112*	*01/02/18 15:09*	*01/30/18 14:39*	*1*
Nitrobenzene-d5 (Surr)	*76*		*37 - 103*	*01/02/18 15:09*	*01/30/18 14:39*	*1*
Phenol-d5 (Surr)	*84*		*20 - 113*	*01/02/18 15:09*	*01/30/18 14:39*	*1*
Terphenyl-d14 (Surr)	*86*		*22 - 121*	*01/02/18 15:09*	*01/30/18 14:39*	*1*
2,4,6-Tribromophenol (Surr)	*99*		*39 - 133*	*01/02/18 15:09*	*01/30/18 14:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

Client Sample ID: TMW-23 (122817)

Lab Sample ID: 680-147306-14

Date Collected: 12/28/17 14:35

Matrix: Water

Date Received: 12/28/17 15:17

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.11	U	1.0	0.11	ug/L		01/31/18 13:21	02/02/18 00:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*11*	*X*	*14 - 130*	*01/31/18 13:21*	*02/02/18 00:54*	*1*
Tetrachloro-m-xylene	*62*		*40 - 130*	*01/31/18 13:21*	*02/02/18 00:54*	*1*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(31-107)	(18-112)	(37-103)	(20-113)	(22-121)	(39-133)
680-147306-10	TMW-18 (122817)	79	72	76	84	86	99

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(14-130)	(40-130)
680-147306-14	TMW-23 (122817)	11 X	62

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX1
Lab Sample ID	Client Sample ID	(14-130)	(40-130)
LCS 680-511018/15-A	Lab Control Sample	51	79
LCSD 680-511018/16-A	Lab Control Sample Dup	45	78
MB 680-511018/8-A	Method Blank	51	56

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-511018/8-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 511287 — **Prep Batch: 511018**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.11	U	1.0	0.11	ug/L		01/31/18 13:21	02/01/18 21:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*51*		*14 - 130*	*01/31/18 13:21*	*02/01/18 21:02*	*1*
Tetrachloro-m-xylene	*56*		*40 - 130*	*01/31/18 13:21*	*02/01/18 21:02*	*1*

Lab Sample ID: LCS 680-511018/15-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 511287 — **Prep Batch: 511018**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1254			6.00	4.99		ug/L		83	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*51*		*14 - 130*
Tetrachloro-m-xylene	*79*		*40 - 130*

Lab Sample ID: LCSD 680-511018/16-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 511287 — **Prep Batch: 511018**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1254			6.00	4.99		ug/L		83	50 - 150	0	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*45*		*14 - 130*
Tetrachloro-m-xylene	*78*		*40 - 130*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

GC/MS Semi VOA

Prep Batch: 508334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-10	TMW-18 (122817)	Total/NA	Water	3520C	

Analysis Batch: 510892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-10	TMW-18 (122817)	Total/NA	Water	8270D LL	508334

GC Semi VOA

Prep Batch: 511018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-14	TMW-23 (122817)	Total/NA	Water	3520C	
MB 680-511018/8-A	Method Blank	Total/NA	Water	3520C	
LCS 680-511018/15-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-511018/16-A	Lab Control Sample Dup	Total/NA	Water	3520C	

Analysis Batch: 511287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-511018/8-A	Method Blank	Total/NA	Water	8081B/8082A	511018
LCS 680-511018/15-A	Lab Control Sample	Total/NA	Water	8081B/8082A	511018
LCSD 680-511018/16-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	511018

Analysis Batch: 511292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-14	TMW-23 (122817)	Total/NA	Water	8081B/8082A	511018

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

Client Sample ID: TMW-18 (122817)

Lab Sample ID: 680-147306-10

Date Collected: 12/28/17 13:00

Matrix: Water

Date Received: 12/28/17 15:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			986.8 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			510892	01/30/18 14:39	NED	TAL SAV

Client Sample ID: TMW-23 (122817)

Lab Sample ID: 680-147306-14

Date Collected: 12/28/17 14:35

Matrix: Water

Date Received: 12/28/17 15:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			977.5 mL	10 mL	511018	01/31/18 13:21	CEW	TAL SAV
Total/NA	Analysis	8081B/8082A		1			511292	02/02/18 00:54	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220210

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: ANDY DAVIS	Site Contact: JEN SUBETT	Date: 12/28/17	COC No:
Company Name: ARCADIS	Tel/Fax: 864.987.3900	Lab Contact: AMY RAGNALDSEAN	Carrier:	1 of 2 COCs
Address: 10 PATEWOOD DR. STE 375	Analysis Turnaround Time			Sampler:
City/State/Zip: GREENVILLE, SC 29615	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 864.987.3900	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: ASHLAND SAVANNAH	☐ 1 week			
Site: ASHLAND	☐ 2 days			Job / SDG No.:
PO# OH01000.GAGI	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	VOCs (8260B)	SVOCs (8270C)	8081A, 1242, 1268, 1660B	ASBESTOS (600/R-93/116)	PCB AROCLOR 1254 (8082)	TEQ (1613B, 8290)	1,1-BIPHENYL (8270D)	BENZENE	Samp
MW-F5 (122717)	12/27/17	1630	G	WT	5			✓	✓							
MW-F7 (122717)	12/27/17	1150	G	WT	5			✓	✓							
MW-F21 (122717)	12/27/17	1455	G	WT	5			✓	✓							
MW-27 (122717)	12/27/17	0955	G	WT	5			✓	✓							
MW-29 (122717)	12/27/17	1305	G	WT	5			✓	✓							
MWD-30 (122717)	12/27/17	1540	G	WT	5			✓	✓							
DUP-01 (122717)	12/27/17	–	G	WT	5			✓	✓							
MW-F3R (122817)	12/28/17	1480	G	WT	2					✓						
MW-F15 (122817)	12/28/17	1335	G	WT	4						✓			✓		
TMW-18 (122817)	12/28/17	1300	G	WT	6							✓	✓			
TMW-19 (122817)	12/28/17	1440	G	WT	2							✓				
~~TMW-20~~			G	WT	6							✓	✓			
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								2	1							

Samp: ME 12/28

680-147306 Chain of Custody

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	ARCADIS	12/28/17 1520	[signature]	TASAV	12/28 1517
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

15.7 17.0 4.3 3.8
15.3 16.5 3.8 7.3

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220206

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: SEE PAGE 1 OF 2	Site Contact:	Date: 12/28/17	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1 OF 2	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	1,1-DIPHENYLHYDRAZINE	Sample Specific Notes:
TMW-21 (122817)	12/28/17	1045	G	WT	2			✓	
TMW-22 (122817)	12/28/17	1200	G	WT	2			✓	
TMW-23 (122817)	12/28/17	1435	G	WT	2			✓	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	AJCLADIS	12/28/17 1520	[signature]	TAAV	12/28 1517
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

15.7 CT: 15.7 17.0 CT: 16.5 4.3 3.8: CT
3.8 7.3: CT

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147306-3

Login Number: 147306

List Source: TestAmerica Savannah

List Number: 1

Creator: Tyler, Matthew M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	Received same day of collection; chilling process has begun.
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-3

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-147306-4
Client Project/Site: Hercules Savannah / Savannah Resins Plan

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/20/2018 5:05:37 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-147306-4

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-147306-4

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 12/28/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.3º C, 3.8º C, 15.2º C and 16.5º C.

DIOXINS AND FURANS
Sample TMW-19 (122817) (680-147306-11) was analyzed for dioxins and furans in accordance with EPA SW-846 8290A. The samples were prepared on 02/14/2018 and analyzed on 02/15/2018.

The request to analyze sample TMW-19 (122817) (680-147306-11) in preparation batch 320-208645 was made after the sample holding time had elapsed.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-208277.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-147306-11	TMW-19 (122817)	Water	12/28/17 14:40	12/28/17 15:17

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Method	Method Description	Protocol	Laboratory
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Qualifiers

Dioxin

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Client Sample ID: TMW-19 (122817) **Lab Sample ID: 680-147306-11**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Client Sample ID: TMW-19 (122817)

Lab Sample ID: 680-147306-11

Date Collected: 12/28/17 14:40

Matrix: Water

Date Received: 12/28/17 15:17

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.20	U H	10	0.20	pg/L		02/14/18 08:30	02/15/18 20:30	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*96*		*40 - 135*	*02/14/18 08:30*	*02/15/18 20:30*	*1*
13C-1,2,3,7,8-PeCDD	*91*		*40 - 135*	*02/14/18 08:30*	*02/15/18 20:30*	*1*
13C-1,2,3,6,7,8-HxCDD	*92*		*40 - 135*	*02/14/18 08:30*	*02/15/18 20:30*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*90*		*40 - 135*	*02/14/18 08:30*	*02/15/18 20:30*	*1*
13C-OCDD	*88*		*40 - 135*	*02/14/18 08:30*	*02/15/18 20:30*	*1*
13C-2,3,7,8-TCDF	*98*		*40 - 135*	*02/14/18 08:30*	*02/15/18 20:30*	*1*
13C-1,2,3,7,8-PeCDF	*97*		*40 - 135*	*02/14/18 08:30*	*02/15/18 20:30*	*1*
13C-1,2,3,4,7,8-HxCDF	*82*		*40 - 135*	*02/14/18 08:30*	*02/15/18 20:30*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*91*		*40 - 135*	*02/14/18 08:30*	*02/15/18 20:30*	*1*

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Client Sample ID: TMW-19 (122817)

Lab Sample ID: 680-147306-11

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
2,3,7,8-TCDD	0.20	U H	10	0.20	pg/L	1	0.00	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					pg/L		0.27	TEQ
Total TEQ					pg/L		0.27	TEQ

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		TCDD	PeCDD	HxDD	HpCDD	OCDD	TCDF	PeCDF	HxCDF
Lab Sample ID	Client Sample ID	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)
680-147306-11	TMW-19 (122817)	96	91	92	90	88	98	97	82
LCS 320-208645/2-A	Lab Control Sample	96	95	90	75	71	100	101	82
LCSD 320-208645/3-A	Lab Control Sample Dup	97	93	96	78	73	100	100	80
MB 320-208645/1-A	Method Blank	92	88	90	70	67	97	95	77

		Percent Isotope Dilution Recovery (Acceptance Limits)
		HpCDF
Lab Sample ID	Client Sample ID	(40-135)
680-147306-11	TMW-19 (122817)	91
LCS 320-208645/2-A	Lab Control Sample	77
LCSD 320-208645/3-A	Lab Control Sample Dup	77
MB 320-208645/1-A	Method Blank	73

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
PeCDD = 13C-1,2,3,7,8-PeCDD
HxDD = 13C-1,2,3,6,7,8-HxCDD
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
OCDD = 13C-OCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDF = 13C-1,2,3,7,8-PeCDF
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-208645/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 208689 — **Prep Batch: 208645**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.28	U	10	0.28	pg/L		02/14/18 08:30	02/15/18 15:54	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*92*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,7,8-PeCDD	*88*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*70*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-OCDD	*67*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-2,3,7,8-TCDF	*97*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,7,8-PeCDF	*95*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,4,7,8-HxCDF	*77*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*73*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*

Lab Sample ID: LCS 320-208645/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 208689 — **Prep Batch: 208645**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	200	209		pg/L		104	64 - 142

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*96*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*95*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*75*		*40 - 135*
13C-OCDD	*71*		*40 - 135*
13C-2,3,7,8-TCDF	*100*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*101*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*82*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*77*		*40 - 135*

Lab Sample ID: LCSD 320-208645/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 208689 — **Prep Batch: 208645**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD	200	210		pg/L		105	64 - 142	1	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*97*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*93*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*96*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*78*		*40 - 135*
13C-OCDD	*73*		*40 - 135*
13C-2,3,7,8-TCDF	*100*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*100*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*77*		*40 - 135*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Specialty Organics

Prep Batch: 208645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-11	TMW-19 (122817)	Total/NA	Water	8290	
MB 320-208645/1-A	Method Blank	Total/NA	Water	8290	
LCS 320-208645/2-A	Lab Control Sample	Total/NA	Water	8290	
LCSD 320-208645/3-A	Lab Control Sample Dup	Total/NA	Water	8290	

Analysis Batch: 208689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147306-11	TMW-19 (122817)	Total/NA	Water	8290A	208645
MB 320-208645/1-A	Method Blank	Total/NA	Water	8290A	208645
LCS 320-208645/2-A	Lab Control Sample	Total/NA	Water	8290A	208645
LCSD 320-208645/3-A	Lab Control Sample Dup	Total/NA	Water	8290A	208645

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Client Sample ID: TMW-19 (122817)

Lab Sample ID: 680-147306-11

Date Collected: 12/28/17 14:40

Matrix: Water

Date Received: 12/28/17 15:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			985.8 mL	20 uL	208645	02/14/18 08:30	KQT	TAL SAC
Total/NA	Analysis	8290A		1			208689	02/15/18 20:30	ALM	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-506357.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147306-4
Address: 880 Riverside Parkway, ,	Due Date Requested: 2/14/2018			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	8290A/8290_P_Sep 17 Isomers & Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TMW-19 (122817) (680-147306-11)	12/28/17	14:40 Eastern		Water			X	X	1	, run as straight as possible

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 1/30/18 1700	Company: TASAV	Received by:	Date/Time: 1/31/18 930	Company: TA Sac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1-3		

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147306-4

Login Number: 147306

List Source: TestAmerica Savannah

List Number: 1

Creator: Tyler, Matthew M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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	Received same day of collection; chilling process has begun.
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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	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: ARCADIS U.S., Inc.

Job Number: 680-147306-4

Login Number: 147306
List Number: 2
Creator: Her, David A

List Source: TestAmerica Sacramento
List Creation: 12/30/17 11:15 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	43811
Sample custody seals, if present, are intact.	N/A	
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	1.7 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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	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: ARCADIS U.S., Inc.

Job Number: 680-147306-4

Login Number: 147306
List Number: 3
Creator: Aguayo, Alonso

List Source: TestAmerica Sacramento
List Creation: 01/11/18 04:18 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	1.2
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	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: ARCADIS U.S., Inc.

Job Number: 680-147306-4

Login Number: 147306
List Number: 4
Creator: Her, David A

List Source: TestAmerica Sacramento
List Creation: 01/31/18 05:48 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	440639
Sample custody seals, if present, are 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	1.3
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147306-4

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	10-31-18
L-A-B	DoD ELAP		L2468	01-20-21
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-14-18
Michigan	State Program	5	9947	01-31-18 *
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-18
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-147344-1
Client Project/Site: Hercules Savannah / Savannah Resins Plan
Revision: 1

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/12/2018 3:25:07 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 680-147344-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-147344-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 12/29/2017 2:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 6.9º C, 7.1º C, 11.2º C and 11.4º C.

The final report was revised to exclude sample 680-147344-21 from the final report per client request.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample EB-1 (12282017) (680-147344-22) was analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 01/02/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL
Samples DS-9-2A (12292017) (680-147344-6), EX-21-1A (12292017) (680-147344-7), SB-128-1A (12292017) (680-147344-8), SB-159-1A (12292017) (680-147344-9) and DUP-2 (12292017) (680-147344-12) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW846 Method 8270D. The samples were prepared on 01/08/2018 and analyzed on 01/18/2018 and 01/19/2018.

Surrogate recovery for the following sample was outside control limits: DUP-2 (12292017) (680-147344-12). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

The following sample was diluted due to the nature of the sample matrix: EX-21-1A (12292017) (680-147344-7). Elevated reporting limits (RLs) are provided.

The following samples were diluted due to the nature of the sample matrix and abundance of target analytes: SB-128-1A (12292017) (680-147344-8) and DUP-2 (12292017) (680-147344-12). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

The following sample was diluted due to the nature of the sample matrix: SB-159-1A (12292017) (680-147344-9). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL
Sample EB-1 (12292017) (680-147344-10) was analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW-846 Method 8270D. The samples were prepared on 01/02/2018 and analyzed on 01/18/2018.

Job ID: 680-147344-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples SB-204-1A (12292017) (680-147344-1), SB-204-2A (12292017) (680-147344-2), SB-137-1A (12292017) (680-147344-4), SB-202-1A (12292017) (680-147344-5) and DUP-1 (12292017) (680-147344-11) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 01/05/2018 and analyzed on 01/08/2018 and 01/09/2018.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

PCB-1254 exceeded the recovery criteria high for the MS of sample SB-204-1A (12292017)MS (680-147344-1) in batch 680-508744.

PCB-1254 exceeded the RPD limit for the MSD of sample SB-204-1A (12292017)MSD (680-147344-1) in batch 680-508744.

Samples SB-204-2A (12292017) (680-147344-2)[5X], SB-137-1A (12292017) (680-147344-4)[5X] and DUP-1 (12292017) (680-147344-11)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Sample EB-1 (12292017) (680-147344-10) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The sample was prepared on 01/03/2018 and analyzed on 01/06/2018.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-147344-1	SB-204-1A (12292017)	Solid	12/29/17 12:10	12/29/17 14:00
680-147344-2	SB-204-2A (12292017)	Solid	12/29/17 12:20	12/29/17 14:00
680-147344-4	SB-137-1A (12292017)	Solid	12/29/17 10:50	12/29/17 14:00
680-147344-5	SB-202-1A (12292017)	Solid	12/29/17 11:05	12/29/17 14:00
680-147344-6	DS-9-2A (12292017)	Solid	12/29/17 11:20	12/29/17 14:00
680-147344-7	EX-21-1A (12292017)	Solid	12/29/17 11:40	12/29/17 14:00
680-147344-8	SB-128-1A (12292017)	Solid	12/29/17 10:00	12/29/17 14:00
680-147344-9	SB-159-1A (12292017)	Solid	12/29/17 10:25	12/29/17 14:00
680-147344-10	EB-1 (12292017)	Water	12/29/17 13:00	12/29/17 14:00
680-147344-11	DUP-1 (12292017)	Solid	12/29/17 00:00	12/29/17 14:00
680-147344-12	DUP-2 (12292017)	Solid	12/29/17 00:00	12/29/17 14:00
680-147344-22	EB-1 (12282017)	Water	12/28/17 16:00	12/29/17 14:00

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
8082A	Polychlorinated Biphenyls (PCBs) by GC	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside 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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: SB-204-1A (12292017) — Lab Sample ID: 680-147344-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.25		0.037	0.011	mg/Kg	1	☼	8081B/8082A	Total/NA

Client Sample ID: SB-204-2A (12292017) — Lab Sample ID: 680-147344-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	3.5		0.19	0.059	mg/Kg	5	☼	8081B/8082A	Total/NA

Client Sample ID: SB-137-1A (12292017) — Lab Sample ID: 680-147344-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	3.7		0.20	0.061	mg/Kg	5	☼	8081B/8082A	Total/NA

Client Sample ID: SB-202-1A (12292017) — Lab Sample ID: 680-147344-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.33		0.036	0.011	mg/Kg	1	☼	8081B/8082A	Total/NA

Client Sample ID: DS-9-2A (12292017) — Lab Sample ID: 680-147344-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.11		0.036	0.0078	mg/Kg	1	☼	8270D LL	Total/NA

Client Sample ID: EX-21-1A (12292017) — Lab Sample ID: 680-147344-7

No Detections.

Client Sample ID: SB-128-1A (12292017) — Lab Sample ID: 680-147344-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	210		38	8.3	mg/Kg	1000	☼	8270D LL	Total/NA

Client Sample ID: SB-159-1A (12292017) — Lab Sample ID: 680-147344-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	0.30	J	0.70	0.15	mg/Kg	20	☼	8270D LL	Total/NA

Client Sample ID: EB-1 (12292017) — Lab Sample ID: 680-147344-10

No Detections.

Client Sample ID: DUP-1 (12292017) — Lab Sample ID: 680-147344-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	2.9		0.20	0.061	mg/Kg	5	☼	8081B/8082A	Total/NA

Client Sample ID: DUP-2 (12292017) — Lab Sample ID: 680-147344-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1'-Biphenyl	180		39	8.5	mg/Kg	1000	☼	8270D LL	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: EB-1 (12282017) — Lab Sample ID: 680-147344-22

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: SB-204-1A (12292017)

Date Collected: 12/29/17 12:10
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-1

Matrix: Solid
Percent Solids: 84.5

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.25		0.037	0.011	mg/Kg	☼	01/05/18 17:42	01/08/18 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*54 - 133*	*01/05/18 17:42*	*01/08/18 17:55*	*1*
Tetrachloro-m-xylene	*86*		*46 - 130*	*01/05/18 17:42*	*01/08/18 17:55*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: SB-204-2A (12292017)

Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2

Matrix: Solid
Percent Solids: 81.4

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	3.5		0.19	0.059	mg/Kg	☼	01/05/18 17:42	01/09/18 18:05	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*54 - 133*	*01/05/18 17:42*	*01/08/18 18:10*	*1*
Tetrachloro-m-xylene	*82*		*46 - 130*	*01/05/18 17:42*	*01/08/18 18:10*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: SB-137-1A (12292017)

Date Collected: 12/29/17 10:50
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-4

Matrix: Solid
Percent Solids: 77.0

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	3.7		0.20	0.061	mg/Kg	☼	01/05/18 17:42	01/09/18 18:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*54 - 133*	*01/05/18 17:42*	*01/08/18 18:24*	*1*
Tetrachloro-m-xylene	*73*		*46 - 130*	*01/05/18 17:42*	*01/08/18 18:24*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: SB-202-1A (12292017)

Lab Sample ID: 680-147344-5
Date Collected: 12/29/17 11:05
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 85.5

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.33		0.036	0.011	mg/Kg	☼	01/05/18 17:42	01/08/18 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*54 - 133*	*01/05/18 17:42*	*01/08/18 18:39*	*1*
Tetrachloro-m-xylene	*88*		*46 - 130*	*01/05/18 17:42*	*01/08/18 18:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: DS-9-2A (12292017)

Date Collected: 12/29/17 11:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-6

Matrix: Solid
Percent Solids: 89.5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.11		0.036	0.0078	mg/Kg	☼	01/08/18 11:55	01/18/18 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*77*		*11 - 130*	*01/08/18 11:55*	*01/18/18 23:48*	*1*
2-Fluorophenol (Surr)	*69*		*10 - 130*	*01/08/18 11:55*	*01/18/18 23:48*	*1*
Nitrobenzene-d5 (Surr)	*75*		*18 - 130*	*01/08/18 11:55*	*01/18/18 23:48*	*1*
Phenol-d5 (Surr)	*67*		*10 - 130*	*01/08/18 11:55*	*01/18/18 23:48*	*1*
Terphenyl-d14 (Surr)	*54*		*27 - 130*	*01/08/18 11:55*	*01/18/18 23:48*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*24 - 130*	*01/08/18 11:55*	*01/18/18 23:48*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: EX-21-1A (12292017)

Lab Sample ID: 680-147344-7
Date Collected: 12/29/17 11:40
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 83.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.042	U	0.19	0.042	mg/Kg	☼	01/08/18 11:55	01/19/18 00:13	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*52*		*11 - 130*	*01/08/18 11:55*	*01/19/18 00:13*	*5*
2-Fluorophenol (Surr)	*46*		*10 - 130*	*01/08/18 11:55*	*01/19/18 00:13*	*5*
Nitrobenzene-d5 (Surr)	*43*		*18 - 130*	*01/08/18 11:55*	*01/19/18 00:13*	*5*
Phenol-d5 (Surr)	*44*		*10 - 130*	*01/08/18 11:55*	*01/19/18 00:13*	*5*
Terphenyl-d14 (Surr)	*46*		*27 - 130*	*01/08/18 11:55*	*01/19/18 00:13*	*5*
2,4,6-Tribromophenol (Surr)	*60*		*24 - 130*	*01/08/18 11:55*	*01/19/18 00:13*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: SB-128-1A (12292017)

Date Collected: 12/29/17 10:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-8

Matrix: Solid
Percent Solids: 85.2

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	210		38	8.3	mg/Kg	☼	01/08/18 11:55	01/19/18 14:15	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*110*		*11 - 130*	*01/08/18 11:55*	*01/19/18 01:02*	*1*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*01/08/18 11:55*	*01/19/18 14:15*	*1000*
2-Fluorophenol (Surr)	*68*		*10 - 130*	*01/08/18 11:55*	*01/19/18 01:02*	*1*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*01/08/18 11:55*	*01/19/18 14:15*	*1000*
Nitrobenzene-d5 (Surr)	*79*		*18 - 130*	*01/08/18 11:55*	*01/19/18 01:02*	*1*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*01/08/18 11:55*	*01/19/18 14:15*	*1000*
Phenol-d5 (Surr)	*68*		*10 - 130*	*01/08/18 11:55*	*01/19/18 01:02*	*1*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*01/08/18 11:55*	*01/19/18 14:15*	*1000*
Terphenyl-d14 (Surr)	*62*		*27 - 130*	*01/08/18 11:55*	*01/19/18 01:02*	*1*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*01/08/18 11:55*	*01/19/18 14:15*	*1000*
2,4,6-Tribromophenol (Surr)	*111*		*24 - 130*	*01/08/18 11:55*	*01/19/18 01:02*	*1*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*01/08/18 11:55*	*01/19/18 14:15*	*1000*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: SB-159-1A (12292017)

Date Collected: 12/29/17 10:25
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-9

Matrix: Solid
Percent Solids: 91.8

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.30**	**J**	0.70	0.15	mg/Kg	☼	01/08/18 11:55	01/19/18 12:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*01/08/18 11:55*	*01/19/18 12:38*	*20*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*01/08/18 11:55*	*01/19/18 12:38*	*20*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*01/08/18 11:55*	*01/19/18 12:38*	*20*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*01/08/18 11:55*	*01/19/18 12:38*	*20*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*01/08/18 11:55*	*01/19/18 12:38*	*20*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*01/08/18 11:55*	*01/19/18 12:38*	*20*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: EB-1 (12292017)

Lab Sample ID: 680-147344-10

Date Collected: 12/29/17 13:00
Matrix: Water
Date Received: 12/29/17 14:00

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.098	U	0.98	0.098	ug/L		01/02/18 15:09	01/18/18 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*31 - 107*	*01/02/18 15:09*	*01/18/18 21:20*	*1*
2-Fluorophenol (Surr)	*71*		*18 - 112*	*01/02/18 15:09*	*01/18/18 21:20*	*1*
Nitrobenzene-d5 (Surr)	*79*		*37 - 103*	*01/02/18 15:09*	*01/18/18 21:20*	*1*
Phenol-d5 (Surr)	*69*		*20 - 113*	*01/02/18 15:09*	*01/18/18 21:20*	*1*
Terphenyl-d14 (Surr)	*81*		*22 - 121*	*01/02/18 15:09*	*01/18/18 21:20*	*1*
2,4,6-Tribromophenol (Surr)	*93*		*39 - 133*	*01/02/18 15:09*	*01/18/18 21:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.11	U	1.0	0.11	ug/L		01/03/18 13:41	01/06/18 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*21*		*14 - 130*	*01/03/18 13:41*	*01/06/18 14:20*	*1*
Tetrachloro-m-xylene	*62*		*40 - 130*	*01/03/18 13:41*	*01/06/18 14:20*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: DUP-1 (12292017)

Lab Sample ID: 680-147344-11
Date Collected: 12/29/17 00:00
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 80.5

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	2.9		0.20	0.061	mg/Kg	☼	01/05/18 17:42	01/09/18 18:33	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*54 - 133*	*01/05/18 17:42*	*01/08/18 18:53*	*1*
Tetrachloro-m-xylene	*88*		*46 - 130*	*01/05/18 17:42*	*01/08/18 18:53*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: DUP-2 (12292017)

Lab Sample ID: 680-147344-12

Date Collected: 12/29/17 00:00
Date Received: 12/29/17 14:00

Matrix: Solid
Percent Solids: 84.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	180		39	8.5	mg/Kg	☼	01/08/18 11:55	01/19/18 15:03	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*131*	*X*	*11 - 130*	*01/08/18 11:55*	*01/19/18 00:38*	*1*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*01/08/18 11:55*	*01/19/18 15:03*	*1000*
2-Fluorophenol (Surr)	*62*		*10 - 130*	*01/08/18 11:55*	*01/19/18 00:38*	*1*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*01/08/18 11:55*	*01/19/18 15:03*	*1000*
Nitrobenzene-d5 (Surr)	*59*		*18 - 130*	*01/08/18 11:55*	*01/19/18 00:38*	*1*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*01/08/18 11:55*	*01/19/18 15:03*	*1000*
Phenol-d5 (Surr)	*60*		*10 - 130*	*01/08/18 11:55*	*01/19/18 00:38*	*1*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*01/08/18 11:55*	*01/19/18 15:03*	*1000*
Terphenyl-d14 (Surr)	*69*		*27 - 130*	*01/08/18 11:55*	*01/19/18 00:38*	*1*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*01/08/18 11:55*	*01/19/18 15:03*	*1000*
2,4,6-Tribromophenol (Surr)	*110*		*24 - 130*	*01/08/18 11:55*	*01/19/18 00:38*	*1*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*01/08/18 11:55*	*01/19/18 15:03*	*1000*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: EB-1 (12282017)

Lab Sample ID: 680-147344-22

Date Collected: 12/28/17 16:00
Matrix: Water
Date Received: 12/29/17 14:00

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.43	U	1.0	0.43	ug/L			01/02/18 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*01/02/18 12:38*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 122*		*01/02/18 12:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*73 - 131*		*01/02/18 12:38*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/02/18 12:38*	*1*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-122)	(73-131)	(80-120)
680-147344-22	EB-1 (12282017)	96	104	98	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(11-130)	(10-130)	(18-130)	(10-130)	(27-130)	(24-130)
680-147344-6	DS-9-2A (12292017)	77	69	75	67	54	91
680-147344-6 MS	DS-9-2A (12292017)	69	63	62	65	44	77
680-147344-6 MSD	DS-9-2A (12292017)	69	64	62	64	63	78
680-147344-7	EX-21-1A (12292017)	52	46	43	44	46	60
680-147344-8	SB-128-1A (12292017)	110	68	79	68	62	111
680-147344-8	SB-128-1A (12292017)	0 D	0 D	0 D	0 D	0 D	0 D
680-147344-9	SB-159-1A (12292017)	0 D	0 D	0 D	0 D	0 D	0 D
680-147344-12	DUP-2 (12292017)	131 X	62	59	60	69	110
680-147344-12	DUP-2 (12292017)	0 D	0 D	0 D	0 D	0 D	0 D

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(31-107)	(18-112)	(37-103)	(20-113)	(22-121)	(39-133)
680-147344-10	EB-1 (12292017)	79	71	79	69	81	93

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX1
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-147344-1	SB-204-1A (12292017)	91	86
680-147344-1 MS	SB-204-1A (12292017)	93	105
680-147344-1 MSD	SB-204-1A (12292017)	87	63

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX1
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-147344-11	DUP-1 (12292017)	87	88

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-147344-2	SB-204-2A (12292017)	91	82
680-147344-4	SB-137-1A (12292017)	68	73
680-147344-5	SB-202-1A (12292017)	81	88

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX1
Lab Sample ID	Client Sample ID	(14-130)	(40-130)
680-147344-10	EB-1 (12292017)	21	62

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: 680-147344-6 MS **Client Sample ID: DS-9-2A (12292017)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 509703 **Prep Batch: 508769**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.11		0.361	0.359		mg/Kg	☼	69	10 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*11 - 130*
2-Fluorophenol (Surr)	*63*		*10 - 130*
Nitrobenzene-d5 (Surr)	*62*		*18 - 130*
Phenol-d5 (Surr)	*65*		*10 - 130*
Terphenyl-d14 (Surr)	*44*		*27 - 130*
2,4,6-Tribromophenol (Surr)	*77*		*24 - 130*

Lab Sample ID: 680-147344-6 MSD **Client Sample ID: DS-9-2A (12292017)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 509703 **Prep Batch: 508769**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.11		0.359	0.242		mg/Kg	☼	37	10 - 130	39	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*11 - 130*
2-Fluorophenol (Surr)	*64*		*10 - 130*
Nitrobenzene-d5 (Surr)	*62*		*18 - 130*
Phenol-d5 (Surr)	*64*		*10 - 130*
Terphenyl-d14 (Surr)	*63*		*27 - 130*
2,4,6-Tribromophenol (Surr)	*78*		*24 - 130*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: 680-147344-1 MS **Client Sample ID: SB-204-1A (12292017)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 508744 **Prep Batch: 508607**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1254	0.25		0.450	1.08	E F1	mg/Kg	☼	185	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*93*		*54 - 133*
Tetrachloro-m-xylene	*105*		*46 - 130*

Lab Sample ID: 680-147344-1 MSD **Client Sample ID: SB-204-1A (12292017)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 508744 **Prep Batch: 508607**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1254	0.25		0.457	0.596	F2	mg/Kg	☼	76	50 - 150	58	50

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: 680-147344-1 MSD
Matrix: Solid
Analysis Batch: 508744

Client Sample ID: SB-204-1A (12292017)
Prep Type: Total/NA
Prep Batch: 508607

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	87		54 - 133
Tetrachloro-m-xylene	63		46 - 130

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

GC/MS VOA

Analysis Batch: 508513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-22	EB-1 (12282017)	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 508334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-10	EB-1 (12292017)	Total/NA	Water	3520C	

Prep Batch: 508769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-6	DS-9-2A (12292017)	Total/NA	Solid	3546	
680-147344-7	EX-21-1A (12292017)	Total/NA	Solid	3546	
680-147344-8	SB-128-1A (12292017)	Total/NA	Solid	3546	
680-147344-9	SB-159-1A (12292017)	Total/NA	Solid	3546	
680-147344-12	DUP-2 (12292017)	Total/NA	Solid	3546	
680-147344-6 MS	DS-9-2A (12292017)	Total/NA	Solid	3546	
680-147344-6 MSD	DS-9-2A (12292017)	Total/NA	Solid	3546	

Analysis Batch: 509703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-6	DS-9-2A (12292017)	Total/NA	Solid	8270D LL	508769
680-147344-7	EX-21-1A (12292017)	Total/NA	Solid	8270D LL	508769
680-147344-8	SB-128-1A (12292017)	Total/NA	Solid	8270D LL	508769
680-147344-10	EB-1 (12292017)	Total/NA	Water	8270D LL	508334
680-147344-12	DUP-2 (12292017)	Total/NA	Solid	8270D LL	508769
680-147344-6 MS	DS-9-2A (12292017)	Total/NA	Solid	8270D LL	508769
680-147344-6 MSD	DS-9-2A (12292017)	Total/NA	Solid	8270D LL	508769

Analysis Batch: 509896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-8	SB-128-1A (12292017)	Total/NA	Solid	8270D LL	508769
680-147344-9	SB-159-1A (12292017)	Total/NA	Solid	8270D LL	508769
680-147344-12	DUP-2 (12292017)	Total/NA	Solid	8270D LL	508769

GC Semi VOA

Prep Batch: 508444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-10	EB-1 (12292017)	Total/NA	Water	3520C	

Prep Batch: 508607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-1	SB-204-1A (12292017)	Total/NA	Solid	3546	
680-147344-2	SB-204-2A (12292017)	Total/NA	Solid	3546	
680-147344-4	SB-137-1A (12292017)	Total/NA	Solid	3546	
680-147344-5	SB-202-1A (12292017)	Total/NA	Solid	3546	
680-147344-11	DUP-1 (12292017)	Total/NA	Solid	3546	
680-147344-1 MS	SB-204-1A (12292017)	Total/NA	Solid	3546	
680-147344-1 MSD	SB-204-1A (12292017)	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Analysis Batch: 508645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-10	EB-1 (12292017)	Total/NA	Water	8082A	508444

Analysis Batch: 508744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-1	SB-204-1A (12292017)	Total/NA	Solid	8081B/8082A	508607
680-147344-2	SB-204-2A (12292017)	Total/NA	Solid	8081B/8082A	508607
680-147344-4	SB-137-1A (12292017)	Total/NA	Solid	8081B/8082A	508607
680-147344-5	SB-202-1A (12292017)	Total/NA	Solid	8081B/8082A	508607
680-147344-11	DUP-1 (12292017)	Total/NA	Solid	8081B/8082A	508607
680-147344-1 MS	SB-204-1A (12292017)	Total/NA	Solid	8081B/8082A	508607
680-147344-1 MSD	SB-204-1A (12292017)	Total/NA	Solid	8081B/8082A	508607

Analysis Batch: 508910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-2	SB-204-2A (12292017)	Total/NA	Solid	8081B/8082A	508607
680-147344-4	SB-137-1A (12292017)	Total/NA	Solid	8081B/8082A	508607
680-147344-11	DUP-1 (12292017)	Total/NA	Solid	8081B/8082A	508607

General Chemistry

Analysis Batch: 508258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-1	SB-204-1A (12292017)	Total/NA	Solid	Moisture	
680-147344-2	SB-204-2A (12292017)	Total/NA	Solid	Moisture	
680-147344-4	SB-137-1A (12292017)	Total/NA	Solid	Moisture	
680-147344-5	SB-202-1A (12292017)	Total/NA	Solid	Moisture	
680-147344-6	DS-9-2A (12292017)	Total/NA	Solid	Moisture	
680-147344-7	EX-21-1A (12292017)	Total/NA	Solid	Moisture	
680-147344-8	SB-128-1A (12292017)	Total/NA	Solid	Moisture	
680-147344-9	SB-159-1A (12292017)	Total/NA	Solid	Moisture	
680-147344-11	DUP-1 (12292017)	Total/NA	Solid	Moisture	
680-147344-12	DUP-2 (12292017)	Total/NA	Solid	Moisture	
680-147344-1 MS	SB-204-1A (12292017)	Total/NA	Solid	Moisture	
680-147344-1 MSD	SB-204-1A (12292017)	Total/NA	Solid	Moisture	
680-147344-6 MS	DS-9-2A (12292017)	Total/NA	Solid	Moisture	
680-147344-6 MSD	DS-9-2A (12292017)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: SB-204-1A (12292017)
Date Collected: 12/29/17 12:10
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: SB-204-1A (12292017)
Date Collected: 12/29/17 12:10
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-1
Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.91 g	10 mL	508607	01/05/18 17:42	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			508744	01/08/18 17:55	GEM	TAL SAV

Client Sample ID: SB-204-2A (12292017)
Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: SB-204-2A (12292017)
Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2
Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.71 g	10 mL	508607	01/05/18 17:42	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			508744	01/08/18 18:10	GEM	TAL SAV
Total/NA	Prep	3546			15.71 g	10 mL	508607	01/05/18 17:42	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		5			508910	01/09/18 18:05	GEM	TAL SAV

Client Sample ID: SB-137-1A (12292017)
Date Collected: 12/29/17 10:50
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: SB-137-1A (12292017)
Date Collected: 12/29/17 10:50
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-4
Matrix: Solid
Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.85 g	10 mL	508607	01/05/18 17:42	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			508744	01/08/18 18:24	GEM	TAL SAV
Total/NA	Prep	3546			15.85 g	10 mL	508607	01/05/18 17:42	JAM	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: SB-137-1A (12292017)

Lab Sample ID: 680-147344-4
Date Collected: 12/29/17 10:50
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8081B/8082A		5			508910	01/09/18 18:19	GEM	TAL SAV

Client Sample ID: SB-202-1A (12292017)

Lab Sample ID: 680-147344-5
Date Collected: 12/29/17 11:05
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: SB-202-1A (12292017)

Lab Sample ID: 680-147344-5
Date Collected: 12/29/17 11:05
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.94 g	10 mL	508607	01/05/18 17:42	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			508744	01/08/18 18:39	GEM	TAL SAV

Client Sample ID: DS-9-2A (12292017)

Lab Sample ID: 680-147344-6
Date Collected: 12/29/17 11:20
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: DS-9-2A (12292017)

Lab Sample ID: 680-147344-6
Date Collected: 12/29/17 11:20
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.87 g	1 mL	508769	01/08/18 11:55	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			509703	01/18/18 23:48	NED	TAL SAV

Client Sample ID: EX-21-1A (12292017)

Lab Sample ID: 680-147344-7
Date Collected: 12/29/17 11:40
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: EX-21-1A (12292017)

Lab Sample ID: 680-147344-7
Date Collected: 12/29/17 11:40
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.73 g	1 mL	508769	01/08/18 11:55	JAM	TAL SAV
Total/NA	Analysis	8270D LL		5			509703	01/19/18 00:13	NED	TAL SAV

Client Sample ID: SB-128-1A (12292017)

Lab Sample ID: 680-147344-8
Date Collected: 12/29/17 10:00
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: SB-128-1A (12292017)

Lab Sample ID: 680-147344-8
Date Collected: 12/29/17 10:00
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.52 g	1 mL	508769	01/08/18 11:55	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			509703	01/19/18 01:02	NED	TAL SAV
Total/NA	Prep	3546			30.52 g	1 mL	508769	01/08/18 11:55	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1000			509896	01/19/18 14:15	OK	TAL SAV

Client Sample ID: SB-159-1A (12292017)

Lab Sample ID: 680-147344-9
Date Collected: 12/29/17 10:25
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: SB-159-1A (12292017)

Lab Sample ID: 680-147344-9
Date Collected: 12/29/17 10:25
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.79 g	1 mL	508769	01/08/18 11:55	JAM	TAL SAV
Total/NA	Analysis	8270D LL		20			509896	01/19/18 12:38	OK	TAL SAV

Client Sample ID: EB-1 (12292017)

Lab Sample ID: 680-147344-10
Date Collected: 12/29/17 13:00
Matrix: Water
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			1020.3 mL	1 mL	508334	01/02/18 15:09	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			509703	01/18/18 21:20	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: EB-1 (12292017)

Lab Sample ID: 680-147344-10
Date Collected: 12/29/17 13:00
Matrix: Water
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			992.3 mL	10 mL	508444	01/03/18 13:41	CEW	TAL SAV
Total/NA	Analysis	8082A		1			508645	01/06/18 14:20	GEM	TAL SAV

Client Sample ID: DUP-1 (12292017)

Lab Sample ID: 680-147344-11
Date Collected: 12/29/17 00:00
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: DUP-1 (12292017)

Lab Sample ID: 680-147344-11
Date Collected: 12/29/17 00:00
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.25 g	10 mL	508607	01/05/18 17:42	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			508744	01/08/18 18:53	GEM	TAL SAV
Total/NA	Prep	3546			15.25 g	10 mL	508607	01/05/18 17:42	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		5			508910	01/09/18 18:33	GEM	TAL SAV

Client Sample ID: DUP-2 (12292017)

Lab Sample ID: 680-147344-12
Date Collected: 12/29/17 00:00
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: DUP-2 (12292017)

Lab Sample ID: 680-147344-12
Date Collected: 12/29/17 00:00
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.15 g	1 mL	508769	01/08/18 11:55	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1			509703	01/19/18 00:38	NED	TAL SAV
Total/NA	Prep	3546			30.15 g	1 mL	508769	01/08/18 11:55	JAM	TAL SAV
Total/NA	Analysis	8270D LL		1000			509896	01/19/18 15:03	OK	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Client Sample ID: EB-1 (12282017)

Date Collected: 12/28/17 16:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-22

Matrix: Water

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	508513	01/02/18 12:38	JLK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220208

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: SEE PAGE 1 OF 2	Site Contact:	Date: 12/29/17	COC No:
Company Name:	Tel/Fax:	Lab Contact: 1 OF 2	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1 OF 2	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	PCB Aroclor 1254/8082	Total PCB (1668) PCB TEQ	Dioxins/Furans (8290) for TEQ	1,1-Biphenyl (8270D)	VOCs (8260D)	Sample Specific Notes:
SB-204-1B (122917)	12/29/17	1155	G	So	2			✓	✓				HOLD SAMPLE
SB-204-2B (122917)	12/29/17	1200	G	So	2			✓	✓				HOLD SAMPLE
SB-204-3B (122917)	12/29/17	1215	G	So	2				✓	✓			HOLD SAMPLE
SB-202-1B (122917)	12/29/17	1045	G	So	2			✓	✓				HOLD SAMPLE
DS-9-2B (122917)	12/29/17	1115	G	So	1						✓		HOLD SAMPLE
EX-21-1B (122917)	12/29/17	1245	G	So	1						✓		HOLD SAMPLE
SB-128-1B (122917)	12/29/17	1010	G	So	1						✓		HOLD SAMPLE
SB-159-3B (122917)	12/29/17	1020	G	So	1						✓		HOLD SAMPLE
TMW-20 (122917)	12/29/17	0920	G	WT	6			✓	✓	✓			
EB-1 (122817)	12/28/17	1600	G	WT	3							✓	
								1	1	1	1	2	

680-147344 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 11.7/7.9/17.6/11.9 CCF-005) ~~11.5~~ 11.2 / 4.9/7.1/11.4

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Mary Gilly	ARCADIS	12/29/17 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Jerrod Edwards	Company: TAL	Date/Time: 12/29/17 1400

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220209

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact			
Company Name: ARCADIS	Project Manager: ANDY DAVIS	Site Contact: JEN SWIFT	Date: 12/29/17
Address: 10 PATEWOOD DR. STE-375	Tel/Fax: 864.987.3900	Lab Contact: AMY RAGANS LIDSEN	Carrier:
City/State/Zip: GREENVILLE, SC 29615	Analysis Turnaround Time		
Phone: 864-987-3900	☐ CALENDAR DAYS ☐ WORKING DAYS		
Fax:	TAT if different from Below STANDARD		
Project Name: ASHLAND SAVANNAH	☐ 2 weeks		
Site: ASHLAND	☐ 1 week		
PO # OHO1000.6A61	☐ 2 days		
	☐ 1 day		

COC No: 1 of 2 COCs

Sampler:

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	PCB Aroclor 1254 (8082)	TOC LPCBs (1668) 82-TEQ	Dioxins/Furans (8290) 2,3,7,8-TCDD	1,4-Dioxane 8270D	Sample Specific Notes:
SB-204-1A (122917)	12/29/17	1210	G	SO	6		✓	✓	✓			MS/MSD
SB-204-2A (122917)	12/29/17	1220	G	SO	2			✓	✓			
SB-204-3A (122917)	12/29/17	1200	G	SO	2				✓	✓		
SB-137-1A (122917)	12/29/17	1050	G	SO	1			✓				
SB-202-1A (122917)	12/29/17	1105	G	SO	2			✓	✓			
DS-9-2A (122917)	12/29/17	1120	G	SO	3		✓				✓	MS/MSD
EX-21-1A (122917)	12/29/17	1140	G	SO	1						✓	
SB-128-1A (122917)	12/29/17	1000	G	SO	1						✓	
SB-159-3A (122917)	12/29/17	1025	G	SO	1						✓	
EB-1 (122917)	12/29/17	1300	G	WT	8			✓	✓	✓	✓	
DUP-1 (122917)	12/29/17	–	G	SO	2			✓	✓			
DUP-2 (122917)	12/29/17	–	G	SO	1						✓	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							1	1		1	1	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 11.7/7.4/7.6/11.9(<0.5)/~~7.5~~ 7.2/6.9/7.1/11.4

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Mary Eibl	ARCADIS	12/29/17 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[illegible]		12/29/17 1400

TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Fax (916) 372-1059

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 320-110756.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147344-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 1/17/2018			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	8081B_8082A/3520C Aroclor 1254	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TMW-20 (12292017) (680-147344-21)	12/29/17	09:20 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Tracy A. Tarpen	Date/Time: 1/29/18 1630	Company: TA-SAC	Received by:	Date/Time: 01/30/2018 9:05	Company: TA Savannah
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 0.7°C / 1.0°C		

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147344-1

Login Number: 147344

List Source: TestAmerica Savannah

List Number: 1

Creator: Anderson, Jordan K

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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.	False	Received same day of collection; chilling process has begun.
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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-147344-2
Client Project/Site: Hercules Savannah / Savannah Resins Plan
Revision: 1

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/12/2018 3:29:31 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 680-147344-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-147344-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 12/29/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 6.9º C, 7.1º C, 11.2º C and 11.4º C

The final report was revised to exclude sample 680-147344-21 from the final report per client request.

CHLORINATED BIPHENYL CONGENERS

Samples SB-204-1A (12292017) (680-147344-1), SB-204-2A (12292017) (680-147344-2), SB-204-3A (12292017) (680-147344-3), SB-202-1A (12292017) (680-147344-5) and DUP-1 (12292017) (680-147344-11) were analyzed for chlorinated biphenyl congeners in accordance with epa method 1668C. The samples were prepared on 01/09/2018 and analyzed on 01/17/2018 and 01/20/2018.

Several of the Isotope Dilution Analyte (IDA) recoveries associated with the following laboratory control spike (LCS) are below the method recommended limit: (LCS 320-203179/2-A). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the LCS. All native spike recoveries are within control limits.

Ion abundance ratios are outside criteria for the Isotope Dilution Analyte (IDA) PCB-54L associated with the following sample: SB-204-1A (12292017) (680-147344-1[MSD]). The theoretical area for the IDA was used to quantitate recovery and target concentration.

PCB-105 and PCB-118 were detected in method blank MB 320-203179/1-A at levels exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Several analytes were detected in method blank MB 320-203179/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-204-1A (12292017) (680-147344-1), SB-204-1A (12292017) (680-147344-1[MS]), SB-204-1A (12292017) (680-147344-1[MSD]), SB-204-2A (12292017) (680-147344-2), SB-204-3A (12292017) (680-147344-3), SB-202-1A (12292017) (680-147344-5) and DUP-1 (12292017) (680-147344-11) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The following samples were diluted in an attempt to bring the concentration of target analytes within the calibration range: SB-204-1A (12292017) (680-147344-1), SB-204-1A (12292017) (680-147344-1[MS]), SB-204-1A (12292017) (680-147344-1[MSD]), SB-204-2A (12292017) (680-147344-2), SB-204-3A (12292017) (680-147344-3), SB-202-1A (12292017) (680-147344-5) and DUP-1 (12292017) (680-147344-11) at 10.0, 10.0, 10.0, 10.0, 10.0, 5.0 and 20.0. Where the calibration range is exceeded, the analyte is appropriately flagged. Elevated reporting limits (RLs) are provided.

The concentration of one or more analytes associated with the following sample exceeded the instrument calibration range: SB-204-1A (12292017) (680-147344-1[MS]), SB-204-1A (12292017) (680-147344-1[MSD]), SB-204-2A (12292017) (680-147344-2), SB-204-3A (12292017) (680-147344-3), SB-202-1A (12292017) (680-147344-5) and DUP-1 (12292017) (680-147344-11). These analytes have

Job ID: 680-147344-2 (Continued)

Laboratory: TestAmerica Savannah (Continued)

been qualified; however, the peaks did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 320-203179 and analytical batch 320-204748 were outside control limits. Sample matrix interference and/or non-homogeneity and high analyte levels are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED BIPHENYL CONGENERS
Sample EB-1 (12292017) (680-147344-10) was analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The sample was prepared on 01/09/2018 and analyzed on 01/10/2018.

PCB-180/193, PCB-183, PCB-44/47/65, PCB-52 and PCB-61/70/74/76 were detected in method blank MB 320-203109/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS
Sample SB-204-3A (12292017) (680-147344-3) was analyzed for dioxins and furans in accordance with EPA Method 8290A. The samples were prepared on 01/08/2018 and analyzed on 01/12/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS
Samples EB-1 (12292017) (680-147344-10) was analyzed for dioxins and furans in accordance with EPA SW-846 8290A. The sample was prepared on 01/09/2018 and analyzed on 01/11/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED BIPHENYL CONGENERS
Samples SB-204-1A (12292017) (680-147344-1), SB-204-2A (12292017) (680-147344-2), SB-204-3A (12292017) (680-147344-3), SB-202-1A (12292017) (680-147344-5) and DUP-1 (12292017) (680-147344-11) were analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were analyzed on 01/24/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples EB-1 (12292017) (680-147344-10) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 1668. The sample was analyzed on 01/24/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE
Sample SB-204-3A (12292017) (680-147344-3) was analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 01/05/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-147344-1	SB-204-1A (12292017)	Solid	12/29/17 12:10	12/29/17 14:00
680-147344-2	SB-204-2A (12292017)	Solid	12/29/17 12:20	12/29/17 14:00
680-147344-3	SB-204-3A (12292017)	Solid	12/29/17 12:00	12/29/17 14:00
680-147344-5	SB-202-1A (12292017)	Solid	12/29/17 11:05	12/29/17 14:00
680-147344-10	EB-1 (12292017)	Water	12/29/17 13:00	12/29/17 14:00
680-147344-11	DUP-1 (12292017)	Solid	12/29/17 00:00	12/29/17 14:00

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Method	Method Description	Protocol	Laboratory
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	TAL SAC
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
None	Total PCB Calculation from HRMS PCB-Congeners	TAL SOP	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC

Protocol References:

ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Qualifiers

Dioxin

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
F2	MS/MSD RPD exceeds control limits
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
F1	MS and/or MSD Recovery is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-204-1A (12292017) — Lab Sample ID: 680-147344-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.0000037	J	0.00023	0.00000088	mg/Kg	10	☼	1668C	Total/NA
PCB-2	0.0000030	J	0.00023	0.00000075	mg/Kg	10	☼	1668C	Total/NA
PCB-3	0.0000039	J	0.00023	0.00000082	mg/Kg	10	☼	1668C	Total/NA
PCB-8	0.000037	J	0.00023	0.0000046	mg/Kg	10	☼	1668C	Total/NA
PCB-15	0.000014	J	0.00023	0.0000047	mg/Kg	10	☼	1668C	Total/NA
PCB-16	0.000024	J	0.00023	0.0000035	mg/Kg	10	☼	1668C	Total/NA
PCB-17	0.000024	J	0.00023	0.0000026	mg/Kg	10	☼	1668C	Total/NA
PCB-18/30	0.000070	J	0.00046	0.0000023	mg/Kg	10	☼	1668C	Total/NA
PCB-19	0.0000083	J	0.00023	0.0000035	mg/Kg	10	☼	1668C	Total/NA
PCB-20/28	0.00012	J B	0.00046	0.0000045	mg/Kg	10	☼	1668C	Total/NA
PCB-21/33	0.00031	J B	0.00046	0.0000043	mg/Kg	10	☼	1668C	Total/NA
PCB-22	0.000038	J	0.00023	0.0000046	mg/Kg	10	☼	1668C	Total/NA
PCB-26/29	0.000018	J	0.00046	0.0000044	mg/Kg	10	☼	1668C	Total/NA
PCB-31	0.00014	J B	0.00023	0.0000041	mg/Kg	10	☼	1668C	Total/NA
PCB-32	0.000023	J	0.00023	0.0000019	mg/Kg	10	☼	1668C	Total/NA
PCB-37	0.000068	J F1	0.00023	0.0000044	mg/Kg	10	☼	1668C	Total/NA
PCB-40/71	0.00037	J B	0.00046	0.0000088	mg/Kg	10	☼	1668C	Total/NA
PCB-41	0.000025	J	0.00023	0.000010	mg/Kg	10	☼	1668C	Total/NA
PCB-42	0.00017	J B	0.00023	0.0000095	mg/Kg	10	☼	1668C	Total/NA
PCB-43	0.000028	J	0.00023	0.000010	mg/Kg	10	☼	1668C	Total/NA
PCB-44/47/65	0.0024	B	0.00069	0.0000083	mg/Kg	10	☼	1668C	Total/NA
PCB-45	0.000052	J B	0.00023	0.0000099	mg/Kg	10	☼	1668C	Total/NA
PCB-48	0.00010	J B	0.00023	0.0000088	mg/Kg	10	☼	1668C	Total/NA
PCB-49/69	0.0012	B	0.00046	0.0000073	mg/Kg	10	☼	1668C	Total/NA
PCB-50/53	0.00012	J B	0.00046	0.0000084	mg/Kg	10	☼	1668C	Total/NA
PCB-51	0.000014	J B	0.00023	0.0000083	mg/Kg	10	☼	1668C	Total/NA
PCB-52	0.0071	B	0.00023	0.0000088	mg/Kg	10	☼	1668C	Total/NA
PCB-56	0.00063	B	0.00023	0.000026	mg/Kg	10	☼	1668C	Total/NA
PCB-59/62/75	0.000053	J	0.00069	0.0000064	mg/Kg	10	☼	1668C	Total/NA
PCB-60	0.00027		0.00023	0.000025	mg/Kg	10	☼	1668C	Total/NA
PCB-61/70/74/76	0.0067	B	0.00091	0.000024	mg/Kg	10	☼	1668C	Total/NA
PCB-63	0.000058	J	0.00023	0.000022	mg/Kg	10	☼	1668C	Total/NA
PCB-64	0.00074	B	0.00023	0.0000061	mg/Kg	10	☼	1668C	Total/NA
PCB-66	0.0019	B	0.00023	0.000026	mg/Kg	10	☼	1668C	Total/NA
PCB-77	0.00028	G F1 F2	0.000024	0.000024	mg/Kg	10	☼	1668C	Total/NA
PCB-79	0.00012	J	0.00023	0.000023	mg/Kg	10	☼	1668C	Total/NA
PCB-80	0.000090	J	0.00023	0.000022	mg/Kg	10	☼	1668C	Total/NA
PCB-82	0.0020	G B	0.00026	0.00026	mg/Kg	10	☼	1668C	Total/NA
PCB-84	0.0045	G B	0.00024	0.00024	mg/Kg	10	☼	1668C	Total/NA
PCB-85/116/117	0.0035	B	0.00069	0.00018	mg/Kg	10	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.014	B	0.0014	0.00019	mg/Kg	10	☼	1668C	Total/NA
PCB-88/91	0.0019	B	0.00046	0.00021	mg/Kg	10	☼	1668C	Total/NA
PCB-90/101/113	0.021	B	0.00069	0.00019	mg/Kg	10	☼	1668C	Total/NA
PCB-92	0.0038	B	0.00023	0.00022	mg/Kg	10	☼	1668C	Total/NA
PCB-107/124	0.00083		0.00046	0.00017	mg/Kg	10	☼	1668C	Total/NA
PCB-95	0.013	B	0.00023	0.00021	mg/Kg	10	☼	1668C	Total/NA
PCB-96	0.000068	J	0.00023	0.0000014	mg/Kg	10	☼	1668C	Total/NA
PCB-98/102	0.00027	J	0.00046	0.00020	mg/Kg	10	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-1A (12292017) (Continued) — Lab Sample ID: 680-147344-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-99	0.0082	B	0.00023	0.00018	mg/Kg	10	☼	1668C	Total/NA
PCB-105	0.0090	G B F2	0.00016	0.00016	mg/Kg	10	☼	1668C	Total/NA
PCB-110/115	0.024	B	0.00046	0.00017	mg/Kg	10	☼	1668C	Total/NA
PCB-109	0.0014	B	0.00023	0.00016	mg/Kg	10	☼	1668C	Total/NA
PCB-114	0.00030	G F2 F1	0.00017	0.00017	mg/Kg	10	☼	1668C	Total/NA
PCB-118	0.022	G B F2	0.00017	0.00017	mg/Kg	10	☼	1668C	Total/NA
PCB-123	0.00024	G F1	0.00017	0.00017	mg/Kg	10	☼	1668C	Total/NA
PCB-128/166	0.0042	B	0.00046	0.000093	mg/Kg	10	☼	1668C	Total/NA
PCB-129/138/163	0.025	B	0.00069	0.000099	mg/Kg	10	☼	1668C	Total/NA
PCB-130	0.0016	B	0.00023	0.00012	mg/Kg	10	☼	1668C	Total/NA
PCB-131	0.00029		0.00023	0.00011	mg/Kg	10	☼	1668C	Total/NA
PCB-132	0.0066	B	0.00023	0.00011	mg/Kg	10	☼	1668C	Total/NA
PCB-133	0.00023		0.00023	0.00011	mg/Kg	10	☼	1668C	Total/NA
PCB-134/143	0.0010	B	0.00046	0.00012	mg/Kg	10	☼	1668C	Total/NA
PCB-135/151	0.0041	B	0.00046	0.00010	mg/Kg	10	☼	1668C	Total/NA
PCB-136	0.0017	B	0.00023	0.000078	mg/Kg	10	☼	1668C	Total/NA
PCB-137	0.0012	B	0.00023	0.000094	mg/Kg	10	☼	1668C	Total/NA
PCB-139/140	0.00038	J	0.00046	0.00010	mg/Kg	10	☼	1668C	Total/NA
PCB-141	0.0034	B	0.00023	0.00011	mg/Kg	10	☼	1668C	Total/NA
PCB-144	0.00067	B	0.00023	0.00010	mg/Kg	10	☼	1668C	Total/NA
PCB-146	0.0023	B	0.00023	0.000096	mg/Kg	10	☼	1668C	Total/NA
PCB-147/149	0.012	B	0.00046	0.00010	mg/Kg	10	☼	1668C	Total/NA
PCB-153/168	0.015	B	0.00046	0.000086	mg/Kg	10	☼	1668C	Total/NA
PCB-154	0.00011	J	0.00023	0.000092	mg/Kg	10	☼	1668C	Total/NA
PCB-156/157	0.0037	B F2	0.000046	0.000024	mg/Kg	10	☼	1668C	Total/NA
PCB-158	0.0026	B	0.00023	0.000078	mg/Kg	10	☼	1668C	Total/NA
PCB-159	0.000047	J	0.00023	0.000018	mg/Kg	10	☼	1668C	Total/NA
PCB-162	0.000091	J	0.00023	0.000017	mg/Kg	10	☼	1668C	Total/NA
PCB-164	0.0015	B	0.00023	0.000092	mg/Kg	10	☼	1668C	Total/NA
PCB-167	0.0011	B F2	0.000023	0.000015	mg/Kg	10	☼	1668C	Total/NA
PCB-170	0.0026	B	0.00023	0.0000032	mg/Kg	10	☼	1668C	Total/NA
PCB-171/173	0.00085	B	0.00046	0.0000033	mg/Kg	10	☼	1668C	Total/NA
PCB-172	0.00039	B	0.00023	0.0000032	mg/Kg	10	☼	1668C	Total/NA
PCB-174	0.0022	B	0.00023	0.0000035	mg/Kg	10	☼	1668C	Total/NA
PCB-175	0.000087	J	0.00023	0.0000021	mg/Kg	10	☼	1668C	Total/NA
PCB-176	0.00020	J	0.00023	0.0000015	mg/Kg	10	☼	1668C	Total/NA
PCB-177	0.0012	B	0.00023	0.0000033	mg/Kg	10	☼	1668C	Total/NA
PCB-178	0.00031		0.00023	0.0000022	mg/Kg	10	☼	1668C	Total/NA
PCB-179	0.00057	B	0.00023	0.0000016	mg/Kg	10	☼	1668C	Total/NA
PCB-180/193	0.0042	B	0.00046	0.0000027	mg/Kg	10	☼	1668C	Total/NA
PCB-181	0.000059	J	0.00023	0.0000029	mg/Kg	10	☼	1668C	Total/NA
PCB-182	0.000014	J	0.00023	0.0000020	mg/Kg	10	☼	1668C	Total/NA
PCB-183	0.0010	B	0.00023	0.0000025	mg/Kg	10	☼	1668C	Total/NA
PCB-184	0.0000031	J	0.00023	0.0000017	mg/Kg	10	☼	1668C	Total/NA
PCB-185	0.00018	J	0.00023	0.0000031	mg/Kg	10	☼	1668C	Total/NA
PCB-187	0.0017	B	0.00023	0.0000020	mg/Kg	10	☼	1668C	Total/NA
PCB-188	0.0000034	J	0.00023	0.0000018	mg/Kg	10	☼	1668C	Total/NA
PCB-189	0.00011	F1	0.000023	0.0000013	mg/Kg	10	☼	1668C	Total/NA
PCB-190	0.00045		0.00023	0.0000023	mg/Kg	10	☼	1668C	Total/NA
PCB-191	0.000098	J	0.00023	0.0000024	mg/Kg	10	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-1A (12292017) (Continued) — Lab Sample ID: 680-147344-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-194	0.00052		0.00023	0.0000015	mg/Kg	10	☼	1668C	Total/NA
PCB-195	0.00020	J	0.00023	0.0000016	mg/Kg	10	☼	1668C	Total/NA
PCB-196	0.00029		0.00023	0.0000048	mg/Kg	10	☼	1668C	Total/NA
PCB-197	0.000022	J	0.00023	0.0000033	mg/Kg	10	☼	1668C	Total/NA
PCB-198/199	0.00064		0.00046	0.0000051	mg/Kg	10	☼	1668C	Total/NA
PCB-200	0.000081	J	0.00023	0.0000040	mg/Kg	10	☼	1668C	Total/NA
PCB-201	0.000078	J	0.00023	0.0000037	mg/Kg	10	☼	1668C	Total/NA
PCB-202	0.00012	J F1	0.00023	0.0000043	mg/Kg	10	☼	1668C	Total/NA
PCB-203	0.00042		0.00023	0.0000048	mg/Kg	10	☼	1668C	Total/NA
PCB-205	0.000031	J	0.00023	0.0000011	mg/Kg	10	☼	1668C	Total/NA
PCB-206	0.00028	F1	0.00023	0.0000028	mg/Kg	10	☼	1668C	Total/NA
PCB-207	0.000038	J	0.00023	0.0000021	mg/Kg	10	☼	1668C	Total/NA
PCB-208	0.000074	J F1	0.00023	0.0000023	mg/Kg	10	☼	1668C	Total/NA
PCB-209	0.000031	J	0.00023	0.0000014	mg/Kg	10	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	0.26		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: SB-204-2A (12292017) — Lab Sample ID: 680-147344-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.000089	J	0.00024	0.0000027	mg/Kg	10	☼	1668C	Total/NA
PCB-2	0.000010	J	0.00024	0.0000022	mg/Kg	10	☼	1668C	Total/NA
PCB-3	0.000042	J	0.00024	0.0000022	mg/Kg	10	☼	1668C	Total/NA
PCB-4	0.00023	J	0.00024	0.000015	mg/Kg	10	☼	1668C	Total/NA
PCB-5	0.000019	J	0.00024	0.0000095	mg/Kg	10	☼	1668C	Total/NA
PCB-6	0.00011	J	0.00024	0.000010	mg/Kg	10	☼	1668C	Total/NA
PCB-7	0.000024	J	0.00024	0.0000096	mg/Kg	10	☼	1668C	Total/NA
PCB-8	0.00055		0.00024	0.0000098	mg/Kg	10	☼	1668C	Total/NA
PCB-9	0.000037	J	0.00024	0.0000099	mg/Kg	10	☼	1668C	Total/NA
PCB-10	0.000012	J	0.00024	0.000010	mg/Kg	10	☼	1668C	Total/NA
PCB-12/13	0.000053	J	0.00049	0.0000096	mg/Kg	10	☼	1668C	Total/NA
PCB-15	0.00022	J	0.00024	0.0000096	mg/Kg	10	☼	1668C	Total/NA
PCB-16	0.00043		0.00024	0.0000077	mg/Kg	10	☼	1668C	Total/NA
PCB-17	0.00060		0.00024	0.0000058	mg/Kg	10	☼	1668C	Total/NA
PCB-18/30	0.0011		0.00049	0.0000051	mg/Kg	10	☼	1668C	Total/NA
PCB-19	0.00024		0.00024	0.0000088	mg/Kg	10	☼	1668C	Total/NA
PCB-20/28	0.0023	B	0.00049	0.000058	mg/Kg	10	☼	1668C	Total/NA
PCB-21/33	0.0033	B	0.00049	0.000055	mg/Kg	10	☼	1668C	Total/NA
PCB-22	0.00053		0.00024	0.000060	mg/Kg	10	☼	1668C	Total/NA
PCB-24	0.000021	J	0.00024	0.0000046	mg/Kg	10	☼	1668C	Total/NA
PCB-25	0.00012	J	0.00024	0.000056	mg/Kg	10	☼	1668C	Total/NA
PCB-26/29	0.00032	J	0.00049	0.000056	mg/Kg	10	☼	1668C	Total/NA
PCB-27	0.000072	J	0.00024	0.0000044	mg/Kg	10	☼	1668C	Total/NA
PCB-31	0.0025	B	0.00024	0.000053	mg/Kg	10	☼	1668C	Total/NA
PCB-32	0.00061		0.00024	0.0000042	mg/Kg	10	☼	1668C	Total/NA
PCB-34	0.00014	J	0.00024	0.000058	mg/Kg	10	☼	1668C	Total/NA
PCB-37	0.00094		0.00024	0.000053	mg/Kg	10	☼	1668C	Total/NA
PCB-40/71	0.0078	B	0.00049	0.00011	mg/Kg	10	☼	1668C	Total/NA
PCB-41	0.00029		0.00024	0.00012	mg/Kg	10	☼	1668C	Total/NA
PCB-42	0.0040	B	0.00024	0.00011	mg/Kg	10	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-2A (12292017) (Continued) — Lab Sample ID: 680-147344-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-43	0.00050		0.00024	0.00013	mg/Kg	10	☼	1668C	Total/NA
PCB-44/47/65	0.044	B	0.00073	0.00010	mg/Kg	10	☼	1668C	Total/NA
PCB-45	0.00065	B	0.00024	0.00012	mg/Kg	10	☼	1668C	Total/NA
PCB-46	0.00078		0.00024	0.00012	mg/Kg	10	☼	1668C	Total/NA
PCB-48	0.0014	B	0.00024	0.00011	mg/Kg	10	☼	1668C	Total/NA
PCB-49/69	0.028	B	0.00049	0.000088	mg/Kg	10	☼	1668C	Total/NA
PCB-50/53	0.0034	B	0.00049	0.00010	mg/Kg	10	☼	1668C	Total/NA
PCB-51	0.0011	B	0.00024	0.000099	mg/Kg	10	☼	1668C	Total/NA
PCB-52	0.13	E B	0.00024	0.00011	mg/Kg	10	☼	1668C	Total/NA
PCB-54	0.00012	J	0.00024	0.0000023	mg/Kg	10	☼	1668C	Total/NA
PCB-56	0.011	G B	0.00046	0.00046	mg/Kg	10	☼	1668C	Total/NA
PCB-59/62/75	0.0010		0.00073	0.000077	mg/Kg	10	☼	1668C	Total/NA
PCB-60	0.0042	G	0.00044	0.00044	mg/Kg	10	☼	1668C	Total/NA
PCB-61/70/74/76	0.13	E B	0.00097	0.00043	mg/Kg	10	☼	1668C	Total/NA
PCB-63	0.0014	G	0.00039	0.00039	mg/Kg	10	☼	1668C	Total/NA
PCB-64	0.013	B	0.00024	0.000074	mg/Kg	10	☼	1668C	Total/NA
PCB-66	0.038	E G B	0.00045	0.00045	mg/Kg	10	☼	1668C	Total/NA
PCB-68	0.00049	G B	0.00039	0.00039	mg/Kg	10	☼	1668C	Total/NA
PCB-72	0.0011	G	0.00041	0.00041	mg/Kg	10	☼	1668C	Total/NA
PCB-77	0.0045	G	0.00042	0.00042	mg/Kg	10	☼	1668C	Total/NA
PCB-79	0.0024	G	0.00040	0.00040	mg/Kg	10	☼	1668C	Total/NA
PCB-82	0.033	E G B	0.0040	0.0040	mg/Kg	10	☼	1668C	Total/NA
PCB-84	0.066	E G B	0.0037	0.0037	mg/Kg	10	☼	1668C	Total/NA
PCB-85/116/117	0.055	G B	0.0028	0.0028	mg/Kg	10	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.23	E G B	0.0029	0.0029	mg/Kg	10	☼	1668C	Total/NA
PCB-88/91	0.032	G B	0.0032	0.0032	mg/Kg	10	☼	1668C	Total/NA
PCB-90/101/113	0.34	E G B	0.0029	0.0029	mg/Kg	10	☼	1668C	Total/NA
PCB-92	0.063	E G B	0.0034	0.0034	mg/Kg	10	☼	1668C	Total/NA
PCB-107/124	0.014	G	0.0026	0.0026	mg/Kg	10	☼	1668C	Total/NA
PCB-95	0.21	E G B	0.0032	0.0032	mg/Kg	10	☼	1668C	Total/NA
PCB-96	0.0011		0.00024	0.0000028	mg/Kg	10	☼	1668C	Total/NA
PCB-98/102	0.0041	G	0.0031	0.0031	mg/Kg	10	☼	1668C	Total/NA
PCB-99	0.13	E G B	0.0027	0.0027	mg/Kg	10	☼	1668C	Total/NA
PCB-104	0.000027	J	0.00024	0.0000037	mg/Kg	10	☼	1668C	Total/NA
PCB-105	0.15	E G B	0.0025	0.0025	mg/Kg	10	☼	1668C	Total/NA
PCB-110/115	0.41	E G B	0.0026	0.0026	mg/Kg	10	☼	1668C	Total/NA
PCB-109	0.026	E G B	0.0024	0.0024	mg/Kg	10	☼	1668C	Total/NA
PCB-114	0.0066	G	0.0027	0.0027	mg/Kg	10	☼	1668C	Total/NA
PCB-118	0.32	E G B	0.0021	0.0021	mg/Kg	10	☼	1668C	Total/NA
PCB-123	0.0047	G	0.0028	0.0028	mg/Kg	10	☼	1668C	Total/NA
PCB-128/166	0.088	E G B	0.0018	0.0018	mg/Kg	10	☼	1668C	Total/NA
PCB-129/138/163	0.50	E G B	0.0019	0.0019	mg/Kg	10	☼	1668C	Total/NA
PCB-130	0.033	E G B	0.0024	0.0024	mg/Kg	10	☼	1668C	Total/NA
PCB-131	0.0061	G	0.0022	0.0022	mg/Kg	10	☼	1668C	Total/NA
PCB-132	0.14	E G B	0.0022	0.0022	mg/Kg	10	☼	1668C	Total/NA
PCB-133	0.0052	G	0.0022	0.0022	mg/Kg	10	☼	1668C	Total/NA
PCB-134/143	0.024	G B	0.0022	0.0022	mg/Kg	10	☼	1668C	Total/NA
PCB-135/151	0.091	E G B	0.0020	0.0020	mg/Kg	10	☼	1668C	Total/NA
PCB-136	0.037	E G B	0.0015	0.0015	mg/Kg	10	☼	1668C	Total/NA
PCB-137	0.024	G B	0.0018	0.0018	mg/Kg	10	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-2A (12292017) (Continued) — Lab Sample ID: 680-147344-2

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-139/140	0.0081	G	0.0019	0.0019	mg/Kg	10	☼	1668C	Total/NA
PCB-141	0.070	E G B	0.0021	0.0021	mg/Kg	10	☼	1668C	Total/NA
PCB-144	0.014	G B	0.0020	0.0020	mg/Kg	10	☼	1668C	Total/NA
PCB-146	0.050	E G B	0.0019	0.0019	mg/Kg	10	☼	1668C	Total/NA
PCB-147/149	0.26	E G B	0.0020	0.0020	mg/Kg	10	☼	1668C	Total/NA
PCB-153/168	0.30	E G B	0.0017	0.0017	mg/Kg	10	☼	1668C	Total/NA
PCB-154	0.0023	G	0.0018	0.0018	mg/Kg	10	☼	1668C	Total/NA
PCB-156/157	0.069	E G B	0.00044	0.00044	mg/Kg	10	☼	1668C	Total/NA
PCB-158	0.053	E G B	0.0015	0.0015	mg/Kg	10	☼	1668C	Total/NA
PCB-159	0.00094	G	0.00032	0.00032	mg/Kg	10	☼	1668C	Total/NA
PCB-162	0.0015	G	0.00031	0.00031	mg/Kg	10	☼	1668C	Total/NA
PCB-164	0.034	E G B	0.0018	0.0018	mg/Kg	10	☼	1668C	Total/NA
PCB-167	0.020	G B	0.00027	0.00027	mg/Kg	10	☼	1668C	Total/NA
PCB-170	0.044	E B	0.00024	0.000067	mg/Kg	10	☼	1668C	Total/NA
PCB-171/173	0.014	B	0.00049	0.000068	mg/Kg	10	☼	1668C	Total/NA
PCB-172	0.0065	B	0.00024	0.000066	mg/Kg	10	☼	1668C	Total/NA
PCB-174	0.037	E B	0.00024	0.000072	mg/Kg	10	☼	1668C	Total/NA
PCB-175	0.0016		0.00024	0.000020	mg/Kg	10	☼	1668C	Total/NA
PCB-176	0.0041		0.00024	0.000014	mg/Kg	10	☼	1668C	Total/NA
PCB-177	0.020	B	0.00024	0.000067	mg/Kg	10	☼	1668C	Total/NA
PCB-178	0.0060		0.00024	0.000020	mg/Kg	10	☼	1668C	Total/NA
PCB-179	0.012	B	0.00024	0.000015	mg/Kg	10	☼	1668C	Total/NA
PCB-180/193	0.072	E B	0.00049	0.000055	mg/Kg	10	☼	1668C	Total/NA
PCB-181	0.00095		0.00024	0.000060	mg/Kg	10	☼	1668C	Total/NA
PCB-182	0.00035		0.00024	0.000018	mg/Kg	10	☼	1668C	Total/NA
PCB-183	0.017	B	0.00024	0.000052	mg/Kg	10	☼	1668C	Total/NA
PCB-184	0.000041	J	0.00024	0.000016	mg/Kg	10	☼	1668C	Total/NA
PCB-185	0.0028		0.00024	0.000063	mg/Kg	10	☼	1668C	Total/NA
PCB-186	0.000020	J	0.00024	0.000015	mg/Kg	10	☼	1668C	Total/NA
PCB-187	0.034	E B	0.00024	0.000018	mg/Kg	10	☼	1668C	Total/NA
PCB-188	0.000045	J	0.00024	0.000015	mg/Kg	10	☼	1668C	Total/NA
PCB-189	0.0019		0.000024	0.0000068	mg/Kg	10	☼	1668C	Total/NA
PCB-190	0.0077		0.00024	0.000048	mg/Kg	10	☼	1668C	Total/NA
PCB-191	0.0017		0.00024	0.000049	mg/Kg	10	☼	1668C	Total/NA
PCB-194	0.0095		0.00024	0.0000051	mg/Kg	10	☼	1668C	Total/NA
PCB-195	0.0035		0.00024	0.0000054	mg/Kg	10	☼	1668C	Total/NA
PCB-196	0.0057		0.00024	0.000018	mg/Kg	10	☼	1668C	Total/NA
PCB-197	0.00040		0.00024	0.000013	mg/Kg	10	☼	1668C	Total/NA
PCB-198/199	0.013		0.00049	0.000020	mg/Kg	10	☼	1668C	Total/NA
PCB-200	0.0016		0.00024	0.000016	mg/Kg	10	☼	1668C	Total/NA
PCB-201	0.0015		0.00024	0.000014	mg/Kg	10	☼	1668C	Total/NA
PCB-202	0.0024		0.00024	0.000016	mg/Kg	10	☼	1668C	Total/NA
PCB-203	0.0088		0.00024	0.000018	mg/Kg	10	☼	1668C	Total/NA
PCB-205	0.00058		0.00024	0.0000040	mg/Kg	10	☼	1668C	Total/NA
PCB-206	0.0066		0.00024	0.0000043	mg/Kg	10	☼	1668C	Total/NA
PCB-207	0.00088		0.00024	0.0000031	mg/Kg	10	☼	1668C	Total/NA
PCB-208	0.0015		0.00024	0.0000034	mg/Kg	10	☼	1668C	Total/NA
PCB-209	0.00046		0.00024	0.0000020	mg/Kg	10	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	4.7		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-204-3A (12292017) — Lab Sample ID: 680-147344-3

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.00025		0.00023	0.0000039	mg/Kg	10	☼	1668C	Total/NA
PCB-2	0.000024	J	0.00023	0.0000031	mg/Kg	10	☼	1668C	Total/NA
PCB-3	0.00011	J	0.00023	0.0000032	mg/Kg	10	☼	1668C	Total/NA
PCB-4	0.0018		0.00023	0.000033	mg/Kg	10	☼	1668C	Total/NA
PCB-5	0.00016	J	0.00023	0.000051	mg/Kg	10	☼	1668C	Total/NA
PCB-6	0.00032		0.00023	0.000054	mg/Kg	10	☼	1668C	Total/NA
PCB-7	0.00010	J	0.00023	0.000051	mg/Kg	10	☼	1668C	Total/NA
PCB-8	0.0061		0.00023	0.000053	mg/Kg	10	☼	1668C	Total/NA
PCB-9	0.000085	J	0.00023	0.000053	mg/Kg	10	☼	1668C	Total/NA
PCB-10	0.000054	J	0.00023	0.000022	mg/Kg	10	☼	1668C	Total/NA
PCB-12/13	0.00018	J	0.00045	0.000051	mg/Kg	10	☼	1668C	Total/NA
PCB-15	0.00061		0.00023	0.000050	mg/Kg	10	☼	1668C	Total/NA
PCB-16	0.0031		0.00023	0.000099	mg/Kg	10	☼	1668C	Total/NA
PCB-17	0.013		0.00023	0.000075	mg/Kg	10	☼	1668C	Total/NA
PCB-18/30	0.013		0.00045	0.000066	mg/Kg	10	☼	1668C	Total/NA
PCB-19	0.0051		0.00023	0.00011	mg/Kg	10	☼	1668C	Total/NA
PCB-20/28	0.055	E B	0.00045	0.00037	mg/Kg	10	☼	1668C	Total/NA
PCB-21/33	0.0083	B	0.00045	0.00035	mg/Kg	10	☼	1668C	Total/NA
PCB-22	0.0058	G	0.00038	0.00038	mg/Kg	10	☼	1668C	Total/NA
PCB-25	0.00049	G	0.00036	0.00036	mg/Kg	10	☼	1668C	Total/NA
PCB-26/29	0.0013		0.00045	0.00036	mg/Kg	10	☼	1668C	Total/NA
PCB-27	0.00068		0.00023	0.000057	mg/Kg	10	☼	1668C	Total/NA
PCB-31	0.023	E G B	0.00034	0.00034	mg/Kg	10	☼	1668C	Total/NA
PCB-32	0.037	E	0.00023	0.000054	mg/Kg	10	☼	1668C	Total/NA
PCB-37	0.0033	G	0.00035	0.00035	mg/Kg	10	☼	1668C	Total/NA
PCB-40/71	0.057	E B	0.00045	0.00033	mg/Kg	10	☼	1668C	Total/NA
PCB-41	0.0016	G	0.00039	0.00039	mg/Kg	10	☼	1668C	Total/NA
PCB-42	0.031	E G B	0.00036	0.00036	mg/Kg	10	☼	1668C	Total/NA
PCB-43	0.0023	G	0.00040	0.00040	mg/Kg	10	☼	1668C	Total/NA
PCB-44/47/65	0.20	E B	0.00068	0.00032	mg/Kg	10	☼	1668C	Total/NA
PCB-46	0.013	G	0.00039	0.00039	mg/Kg	10	☼	1668C	Total/NA
PCB-48	0.0056	G B	0.00033	0.00033	mg/Kg	10	☼	1668C	Total/NA
PCB-49/69	0.14	E B	0.00045	0.00028	mg/Kg	10	☼	1668C	Total/NA
PCB-50/53	0.050	E B	0.00045	0.00032	mg/Kg	10	☼	1668C	Total/NA
PCB-51	0.034	E G B	0.00031	0.00031	mg/Kg	10	☼	1668C	Total/NA
PCB-52	0.25	E G B	0.00034	0.00034	mg/Kg	10	☼	1668C	Total/NA
PCB-54	0.0049		0.00023	0.0000038	mg/Kg	10	☼	1668C	Total/NA
PCB-56	0.024	E G B	0.00092	0.00092	mg/Kg	10	☼	1668C	Total/NA
PCB-59/62/75	0.0056		0.00068	0.00025	mg/Kg	10	☼	1668C	Total/NA
PCB-60	0.0094	G	0.00088	0.00088	mg/Kg	10	☼	1668C	Total/NA
PCB-61/70/74/76	0.21	E B	0.00091	0.00086	mg/Kg	10	☼	1668C	Total/NA
PCB-63	0.0050	G	0.00078	0.00078	mg/Kg	10	☼	1668C	Total/NA
PCB-64	0.027	E B	0.00023	0.00023	mg/Kg	10	☼	1668C	Total/NA
PCB-66	0.10	E G B	0.00090	0.00090	mg/Kg	10	☼	1668C	Total/NA
PCB-68	0.0026	G B	0.00077	0.00077	mg/Kg	10	☼	1668C	Total/NA
PCB-72	0.0020	G	0.00083	0.00083	mg/Kg	10	☼	1668C	Total/NA
PCB-73	0.0016	G	0.00025	0.00025	mg/Kg	10	☼	1668C	Total/NA
PCB-77	0.0087	G	0.00084	0.00084	mg/Kg	10	☼	1668C	Total/NA
PCB-79	0.0030	G	0.00079	0.00079	mg/Kg	10	☼	1668C	Total/NA
PCB-82	0.041	E G B	0.0043	0.0043	mg/Kg	10	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-3A (12292017) (Continued) — Lab Sample ID: 680-147344-3

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-84	0.096	E G B	0.0040	0.0040	mg/Kg	10	☼	1668C	Total/NA
PCB-85/116/117	0.060	G B	0.0030	0.0030	mg/Kg	10	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.28	E G B	0.0031	0.0031	mg/Kg	10	☼	1668C	Total/NA
PCB-88/91	0.056	E G B	0.0035	0.0035	mg/Kg	10	☼	1668C	Total/NA
PCB-90/101/113	0.40	E G B	0.0032	0.0032	mg/Kg	10	☼	1668C	Total/NA
PCB-92	0.082	E G B	0.0037	0.0037	mg/Kg	10	☼	1668C	Total/NA
PCB-93/100	0.0040	G	0.0034	0.0034	mg/Kg	10	☼	1668C	Total/NA
PCB-107/124	0.017	G	0.0028	0.0028	mg/Kg	10	☼	1668C	Total/NA
PCB-94	0.0039	G	0.0036	0.0036	mg/Kg	10	☼	1668C	Total/NA
PCB-95	0.28	E G B	0.0034	0.0034	mg/Kg	10	☼	1668C	Total/NA
PCB-96	0.0029		0.00023	0.0000059	mg/Kg	10	☼	1668C	Total/NA
PCB-98/102	0.0084	G	0.0033	0.0033	mg/Kg	10	☼	1668C	Total/NA
PCB-99	0.16	E G B	0.0029	0.0029	mg/Kg	10	☼	1668C	Total/NA
PCB-103	0.0033	G	0.0032	0.0032	mg/Kg	10	☼	1668C	Total/NA
PCB-104	0.00038		0.00023	0.0000071	mg/Kg	10	☼	1668C	Total/NA
PCB-105	0.15	E G B	0.0029	0.0029	mg/Kg	10	☼	1668C	Total/NA
PCB-110/115	0.45	E G B	0.0028	0.0028	mg/Kg	10	☼	1668C	Total/NA
PCB-109	0.026	E G B	0.0026	0.0026	mg/Kg	10	☼	1668C	Total/NA
PCB-114	0.0069	G	0.0030	0.0030	mg/Kg	10	☼	1668C	Total/NA
PCB-118	0.33	E G B	0.0024	0.0024	mg/Kg	10	☼	1668C	Total/NA
PCB-123	0.0067	G	0.0029	0.0029	mg/Kg	10	☼	1668C	Total/NA
PCB-128/166	0.084	E G B	0.00089	0.00089	mg/Kg	10	☼	1668C	Total/NA
PCB-129/138/163	0.51	E G B	0.00094	0.00094	mg/Kg	10	☼	1668C	Total/NA
PCB-130	0.034	E G B	0.0012	0.0012	mg/Kg	10	☼	1668C	Total/NA
PCB-131	0.0076	G	0.0011	0.0011	mg/Kg	10	☼	1668C	Total/NA
PCB-132	0.16	E G B	0.0011	0.0011	mg/Kg	10	☼	1668C	Total/NA
PCB-133	0.0058	G	0.0011	0.0011	mg/Kg	10	☼	1668C	Total/NA
PCB-134/143	0.028	G B	0.0011	0.0011	mg/Kg	10	☼	1668C	Total/NA
PCB-135/151	0.12	E G B	0.0010	0.0010	mg/Kg	10	☼	1668C	Total/NA
PCB-136	0.050	E G B	0.00074	0.00074	mg/Kg	10	☼	1668C	Total/NA
PCB-137	0.026	E G B	0.00089	0.00089	mg/Kg	10	☼	1668C	Total/NA
PCB-139/140	0.0090	G	0.00096	0.00096	mg/Kg	10	☼	1668C	Total/NA
PCB-141	0.087	E G B	0.0011	0.0011	mg/Kg	10	☼	1668C	Total/NA
PCB-144	0.019	G B	0.00096	0.00096	mg/Kg	10	☼	1668C	Total/NA
PCB-146	0.055	E G B	0.00092	0.00092	mg/Kg	10	☼	1668C	Total/NA
PCB-147/149	0.31	E G B	0.00097	0.00097	mg/Kg	10	☼	1668C	Total/NA
PCB-153/168	0.34	E G B	0.00082	0.00082	mg/Kg	10	☼	1668C	Total/NA
PCB-154	0.0029	G	0.00087	0.00087	mg/Kg	10	☼	1668C	Total/NA
PCB-156/157	0.066	E G B	0.00045	0.00045	mg/Kg	10	☼	1668C	Total/NA
PCB-158	0.057	E G B	0.00074	0.00074	mg/Kg	10	☼	1668C	Total/NA
PCB-159	0.0019	G	0.00033	0.00033	mg/Kg	10	☼	1668C	Total/NA
PCB-162	0.0015	G	0.00032	0.00032	mg/Kg	10	☼	1668C	Total/NA
PCB-164	0.036	E G B	0.00087	0.00087	mg/Kg	10	☼	1668C	Total/NA
PCB-167	0.020	G B	0.00028	0.00028	mg/Kg	10	☼	1668C	Total/NA
PCB-170	0.058	E B	0.00023	0.000092	mg/Kg	10	☼	1668C	Total/NA
PCB-171/173	0.021	B	0.00045	0.000094	mg/Kg	10	☼	1668C	Total/NA
PCB-172	0.010	B	0.00023	0.000092	mg/Kg	10	☼	1668C	Total/NA
PCB-174	0.069	E B	0.00023	0.00010	mg/Kg	10	☼	1668C	Total/NA
PCB-175	0.0030		0.00023	0.000026	mg/Kg	10	☼	1668C	Total/NA
PCB-176	0.0082		0.00023	0.000019	mg/Kg	10	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-3A (12292017) (Continued) — Lab Sample ID: 680-147344-3

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-177	0.033	E B	0.00023	0.000093	mg/Kg	10	☼	1668C	Total/NA
PCB-178	0.012		0.00023	0.000028	mg/Kg	10	☼	1668C	Total/NA
PCB-179	0.026	E B	0.00023	0.000020	mg/Kg	10	☼	1668C	Total/NA
PCB-180/193	0.13	E B	0.00045	0.000076	mg/Kg	10	☼	1668C	Total/NA
PCB-181	0.00091		0.00023	0.000082	mg/Kg	10	☼	1668C	Total/NA
PCB-182	0.00042		0.00023	0.000025	mg/Kg	10	☼	1668C	Total/NA
PCB-183	0.033	E B	0.00023	0.000072	mg/Kg	10	☼	1668C	Total/NA
PCB-184	0.000068	J	0.00023	0.000021	mg/Kg	10	☼	1668C	Total/NA
PCB-185	0.0062		0.00023	0.000088	mg/Kg	10	☼	1668C	Total/NA
PCB-186	0.000023	J	0.00023	0.000020	mg/Kg	10	☼	1668C	Total/NA
PCB-187	0.070	E B	0.00023	0.000025	mg/Kg	10	☼	1668C	Total/NA
PCB-188	0.00011	J	0.00023	0.000019	mg/Kg	10	☼	1668C	Total/NA
PCB-189	0.0021		0.000023	0.0000087	mg/Kg	10	☼	1668C	Total/NA
PCB-190	0.011		0.00023	0.000067	mg/Kg	10	☼	1668C	Total/NA
PCB-191	0.0026		0.00023	0.000068	mg/Kg	10	☼	1668C	Total/NA
PCB-194	0.018		0.00023	0.000011	mg/Kg	10	☼	1668C	Total/NA
PCB-195	0.0077		0.00023	0.000012	mg/Kg	10	☼	1668C	Total/NA
PCB-196	0.012		0.00023	0.000012	mg/Kg	10	☼	1668C	Total/NA
PCB-197	0.00094		0.00023	0.0000082	mg/Kg	10	☼	1668C	Total/NA
PCB-198/199	0.026		0.00045	0.000012	mg/Kg	10	☼	1668C	Total/NA
PCB-200	0.0036		0.00023	0.0000099	mg/Kg	10	☼	1668C	Total/NA
PCB-201	0.0036		0.00023	0.0000089	mg/Kg	10	☼	1668C	Total/NA
PCB-202	0.0050		0.00023	0.000010	mg/Kg	10	☼	1668C	Total/NA
PCB-203	0.016		0.00023	0.000012	mg/Kg	10	☼	1668C	Total/NA
PCB-205	0.0010		0.00023	0.0000088	mg/Kg	10	☼	1668C	Total/NA
PCB-206	0.0076		0.00023	0.0000039	mg/Kg	10	☼	1668C	Total/NA
PCB-207	0.0012		0.00023	0.0000029	mg/Kg	10	☼	1668C	Total/NA
PCB-208	0.0022		0.00023	0.0000034	mg/Kg	10	☼	1668C	Total/NA
PCB-209	0.00082		0.00023	0.0000023	mg/Kg	10	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	6.5		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: SB-202-1A (12292017) — Lab Sample ID: 680-147344-5

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.0000029	J	0.00011	0.00000069	mg/Kg	5	☼	1668C	Total/NA
PCB-2	0.0000020	J	0.00011	0.00000056	mg/Kg	5	☼	1668C	Total/NA
PCB-3	0.0000025	J	0.00011	0.00000060	mg/Kg	5	☼	1668C	Total/NA
PCB-4	0.0000090	J	0.00011	0.0000082	mg/Kg	5	☼	1668C	Total/NA
PCB-8	0.000020	J	0.00011	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-11	0.0000066	J B	0.00011	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-15	0.000015	J	0.00011	0.0000017	mg/Kg	5	☼	1668C	Total/NA
PCB-16	0.000022	J	0.00011	0.0000015	mg/Kg	5	☼	1668C	Total/NA
PCB-17	0.000029	J	0.00011	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-18/30	0.000056	J	0.00022	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-19	0.000013	J	0.00011	0.0000016	mg/Kg	5	☼	1668C	Total/NA
PCB-20/28	0.00012	J B	0.00022	0.0000026	mg/Kg	5	☼	1668C	Total/NA
PCB-21/33	0.000057	J B	0.00022	0.0000025	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-202-1A (12292017) (Continued) — Lab Sample ID: 680-147344-5

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-22	0.000028	J	0.00011	0.0000027	mg/Kg	5	☼	1668C	Total/NA
PCB-25	0.0000081	J	0.00011	0.0000025	mg/Kg	5	☼	1668C	Total/NA
PCB-26/29	0.000013	J	0.00022	0.0000025	mg/Kg	5	☼	1668C	Total/NA
PCB-27	0.0000046	J	0.00011	0.00000087	mg/Kg	5	☼	1668C	Total/NA
PCB-31	0.000093	J B	0.00011	0.0000024	mg/Kg	5	☼	1668C	Total/NA
PCB-32	0.000048	J	0.00011	0.00000084	mg/Kg	5	☼	1668C	Total/NA
PCB-35	0.0000055	J	0.00011	0.0000026	mg/Kg	5	☼	1668C	Total/NA
PCB-37	0.000040	J	0.00011	0.0000025	mg/Kg	5	☼	1668C	Total/NA
PCB-40/71	0.00030	B	0.00022	0.0000044	mg/Kg	5	☼	1668C	Total/NA
PCB-42	0.00015	B	0.00011	0.0000048	mg/Kg	5	☼	1668C	Total/NA
PCB-43	0.0000078	J	0.00011	0.0000053	mg/Kg	5	☼	1668C	Total/NA
PCB-44/47/65	0.0015	B	0.00034	0.0000042	mg/Kg	5	☼	1668C	Total/NA
PCB-45	0.000043	J B	0.00011	0.0000050	mg/Kg	5	☼	1668C	Total/NA
PCB-46	0.000029	J	0.00011	0.0000052	mg/Kg	5	☼	1668C	Total/NA
PCB-48	0.000054	J B	0.00011	0.0000044	mg/Kg	5	☼	1668C	Total/NA
PCB-49/69	0.00088	B	0.00022	0.0000037	mg/Kg	5	☼	1668C	Total/NA
PCB-50/53	0.00013	J B	0.00022	0.0000042	mg/Kg	5	☼	1668C	Total/NA
PCB-51	0.000043	J B	0.00011	0.0000042	mg/Kg	5	☼	1668C	Total/NA
PCB-52	0.0047	B	0.00011	0.0000045	mg/Kg	5	☼	1668C	Total/NA
PCB-54	0.0000056	J	0.00011	0.00000052	mg/Kg	5	☼	1668C	Total/NA
PCB-56	0.00041	B	0.00011	0.000019	mg/Kg	5	☼	1668C	Total/NA
PCB-59/62/75	0.000039	J	0.00034	0.0000033	mg/Kg	5	☼	1668C	Total/NA
PCB-60	0.00012		0.00011	0.000018	mg/Kg	5	☼	1668C	Total/NA
PCB-61/70/74/76	0.0035	B	0.00045	0.000017	mg/Kg	5	☼	1668C	Total/NA
PCB-63	0.000027	J	0.00011	0.000016	mg/Kg	5	☼	1668C	Total/NA
PCB-64	0.00054	B	0.00011	0.0000031	mg/Kg	5	☼	1668C	Total/NA
PCB-66	0.0011	B	0.00011	0.000018	mg/Kg	5	☼	1668C	Total/NA
PCB-77	0.00019	G	0.000018	0.000018	mg/Kg	5	☼	1668C	Total/NA
PCB-79	0.00012		0.00011	0.000016	mg/Kg	5	☼	1668C	Total/NA
PCB-80	0.000083	J	0.00011	0.000015	mg/Kg	5	☼	1668C	Total/NA
PCB-82	0.0021	G B	0.00030	0.00030	mg/Kg	5	☼	1668C	Total/NA
PCB-84	0.0039	G B	0.00028	0.00028	mg/Kg	5	☼	1668C	Total/NA
PCB-85/116/117	0.0032	B	0.00034	0.00021	mg/Kg	5	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.013	B	0.00067	0.00022	mg/Kg	5	☼	1668C	Total/NA
PCB-88/91	0.0020	G B	0.00024	0.00024	mg/Kg	5	☼	1668C	Total/NA
PCB-90/101/113	0.019	B	0.00034	0.00022	mg/Kg	5	☼	1668C	Total/NA
PCB-92	0.0035	G B	0.00025	0.00025	mg/Kg	5	☼	1668C	Total/NA
PCB-107/124	0.00086		0.00022	0.00019	mg/Kg	5	☼	1668C	Total/NA
PCB-95	0.012	E G B	0.00024	0.00024	mg/Kg	5	☼	1668C	Total/NA
PCB-96	0.000069	J	0.00011	0.00000058	mg/Kg	5	☼	1668C	Total/NA
PCB-98/102	0.00025	G	0.00023	0.00023	mg/Kg	5	☼	1668C	Total/NA
PCB-99	0.0076	G B	0.00020	0.00020	mg/Kg	5	☼	1668C	Total/NA
PCB-105	0.0072	G B	0.00020	0.00020	mg/Kg	5	☼	1668C	Total/NA
PCB-110/115	0.026	E B	0.00022	0.00019	mg/Kg	5	☼	1668C	Total/NA
PCB-109	0.0012	G B	0.00018	0.00018	mg/Kg	5	☼	1668C	Total/NA
PCB-114	0.00026	G	0.00020	0.00020	mg/Kg	5	☼	1668C	Total/NA
PCB-118	0.018	E G B	0.00018	0.00018	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-202-1A (12292017) (Continued) — Lab Sample ID: 680-147344-5

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-123	0.00029	G	0.00019	0.00019	mg/Kg	5	☼	1668C	Total/NA
PCB-128/166	0.0046	B	0.00022	0.000059	mg/Kg	5	☼	1668C	Total/NA
PCB-129/138/163	0.026	B	0.00034	0.000062	mg/Kg	5	☼	1668C	Total/NA
PCB-130	0.0017	B	0.00011	0.000078	mg/Kg	5	☼	1668C	Total/NA
PCB-131	0.00033		0.00011	0.000072	mg/Kg	5	☼	1668C	Total/NA
PCB-132	0.0078	B	0.00011	0.000071	mg/Kg	5	☼	1668C	Total/NA
PCB-133	0.00023		0.00011	0.000070	mg/Kg	5	☼	1668C	Total/NA
PCB-134/143	0.0012	B	0.00022	0.000073	mg/Kg	5	☼	1668C	Total/NA
PCB-135/151	0.0045	B	0.00022	0.000066	mg/Kg	5	☼	1668C	Total/NA
PCB-136	0.0020	B	0.00011	0.000049	mg/Kg	5	☼	1668C	Total/NA
PCB-137	0.0014	B	0.00011	0.000059	mg/Kg	5	☼	1668C	Total/NA
PCB-139/140	0.00042		0.00022	0.000064	mg/Kg	5	☼	1668C	Total/NA
PCB-141	0.0038	B	0.00011	0.000070	mg/Kg	5	☼	1668C	Total/NA
PCB-144	0.00073	B	0.00011	0.000064	mg/Kg	5	☼	1668C	Total/NA
PCB-146	0.0024	B	0.00011	0.000061	mg/Kg	5	☼	1668C	Total/NA
PCB-147/149	0.013	B	0.00022	0.000064	mg/Kg	5	☼	1668C	Total/NA
PCB-153/168	0.015	B	0.00022	0.000054	mg/Kg	5	☼	1668C	Total/NA
PCB-154	0.000089	J	0.00011	0.000058	mg/Kg	5	☼	1668C	Total/NA
PCB-156/157	0.0036	B	0.000022	0.000022	mg/Kg	5	☼	1668C	Total/NA
PCB-158	0.0028	B	0.00011	0.000049	mg/Kg	5	☼	1668C	Total/NA
PCB-159	0.000054	J	0.00011	0.000017	mg/Kg	5	☼	1668C	Total/NA
PCB-162	0.000087	J	0.00011	0.000016	mg/Kg	5	☼	1668C	Total/NA
PCB-164	0.0016	B	0.00011	0.000058	mg/Kg	5	☼	1668C	Total/NA
PCB-167	0.0011	G B	0.000014	0.000014	mg/Kg	5	☼	1668C	Total/NA
PCB-170	0.0028	B	0.00011	0.0000044	mg/Kg	5	☼	1668C	Total/NA
PCB-171/173	0.00091	B	0.00022	0.0000045	mg/Kg	5	☼	1668C	Total/NA
PCB-172	0.00041	B	0.00011	0.0000044	mg/Kg	5	☼	1668C	Total/NA
PCB-174	0.0024	B	0.00011	0.0000048	mg/Kg	5	☼	1668C	Total/NA
PCB-175	0.000098	J	0.00011	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-176	0.00024		0.00011	0.00000086	mg/Kg	5	☼	1668C	Total/NA
PCB-177	0.0013	B	0.00011	0.0000044	mg/Kg	5	☼	1668C	Total/NA
PCB-178	0.00033		0.00011	0.0000013	mg/Kg	5	☼	1668C	Total/NA
PCB-179	0.00065	B	0.00011	0.00000091	mg/Kg	5	☼	1668C	Total/NA
PCB-180/193	0.0046	B	0.00022	0.0000036	mg/Kg	5	☼	1668C	Total/NA
PCB-181	0.000059	J	0.00011	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-182	0.000015	J	0.00011	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-183	0.0011	B	0.00011	0.0000034	mg/Kg	5	☼	1668C	Total/NA
PCB-184	0.0000024	J	0.00011	0.00000095	mg/Kg	5	☼	1668C	Total/NA
PCB-185	0.00019		0.00011	0.0000042	mg/Kg	5	☼	1668C	Total/NA
PCB-187	0.0019	B	0.00011	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-188	0.0000025	J	0.00011	0.00000088	mg/Kg	5	☼	1668C	Total/NA
PCB-189	0.00011		0.000011	0.00000079	mg/Kg	5	☼	1668C	Total/NA
PCB-190	0.00048		0.00011	0.0000032	mg/Kg	5	☼	1668C	Total/NA
PCB-191	0.00011		0.00011	0.0000032	mg/Kg	5	☼	1668C	Total/NA
PCB-194	0.00054		0.00011	0.0000013	mg/Kg	5	☼	1668C	Total/NA
PCB-195	0.00021		0.00011	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-196	0.00031		0.00011	0.0000014	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-202-1A (12292017) (Continued) — Lab Sample ID: 680-147344-5

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-197	0.000024	J	0.00011	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-198/199	0.00064		0.00022	0.0000015	mg/Kg	5	☼	1668C	Total/NA
PCB-200	0.000082	J	0.00011	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-201	0.000082	J	0.00011	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-202	0.00012		0.00011	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-203	0.00043		0.00011	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-205	0.000032	J	0.00011	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-206	0.00035		0.00011	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-207	0.000036	J	0.00011	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-208	0.000095	J	0.00011	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-209	0.00012		0.00011	0.00000071	mg/Kg	5	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	0.25		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: EB-1 (12292017) — Lab Sample ID: 680-147344-10

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-44/47/65	3.6	J B	600	0.61	pg/L	1		1668C	Total/NA
PCB-52	2.8	J B	200	0.65	pg/L	1		1668C	Total/NA
PCB-61/70/74/76	2.3	J B	800	0.77	pg/L	1		1668C	Total/NA
PCB-90/101/113	4.7	J	600	1.2	pg/L	1		1668C	Total/NA
PCB-95	2.7	J	200	1.3	pg/L	1		1668C	Total/NA
PCB-105	2.3	J	20	1.1	pg/L	1		1668C	Total/NA
PCB-110/115	6.2	J	400	1.1	pg/L	1		1668C	Total/NA
PCB-118	4.7	J	20	1.3	pg/L	1		1668C	Total/NA
PCB-129/138/163	6.4	J	600	1.3	pg/L	1		1668C	Total/NA
PCB-147/149	3.0	J	400	1.3	pg/L	1		1668C	Total/NA
PCB-153/168	3.9	J	400	1.1	pg/L	1		1668C	Total/NA
PCB-174	1.0	J	200	0.56	pg/L	1		1668C	Total/NA
PCB-180/193	1.8	J B	400	0.43	pg/L	1		1668C	Total/NA
PCB-183	1.2	J B	200	0.40	pg/L	1		1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	47	J	200	20	pg/L	1		None	Total/NA

Client Sample ID: DUP-1 (12292017) — Lab Sample ID: 680-147344-11

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.000090	J	0.00051	0.0000057	mg/Kg	20	☼	1668C	Total/NA
PCB-2	0.000011	J	0.00051	0.0000048	mg/Kg	20	☼	1668C	Total/NA
PCB-3	0.000035	J	0.00051	0.0000053	mg/Kg	20	☼	1668C	Total/NA
PCB-6	0.000074	J	0.00051	0.000027	mg/Kg	20	☼	1668C	Total/NA
PCB-8	0.00039	J	0.00051	0.000026	mg/Kg	20	☼	1668C	Total/NA
PCB-15	0.00016	J	0.00051	0.000026	mg/Kg	20	☼	1668C	Total/NA
PCB-16	0.00025	J	0.00051	0.000016	mg/Kg	20	☼	1668C	Total/NA
PCB-17	0.00038	J	0.00051	0.000012	mg/Kg	20	☼	1668C	Total/NA
PCB-18/30	0.00069	J	0.0010	0.000010	mg/Kg	20	☼	1668C	Total/NA
PCB-19	0.00014	J	0.00051	0.000018	mg/Kg	20	☼	1668C	Total/NA
PCB-20/28	0.0014	B	0.0010	0.000040	mg/Kg	20	☼	1668C	Total/NA
PCB-21/33	0.0021	B	0.0010	0.000037	mg/Kg	20	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-1 (12292017) (Continued) — Lab Sample ID: 680-147344-11

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-22	0.00030	J	0.00051	0.000041	mg/Kg	20	☼	1668C	Total/NA
PCB-25	0.000051	J	0.00051	0.000038	mg/Kg	20	☼	1668C	Total/NA
PCB-26/29	0.00019	J	0.0010	0.000038	mg/Kg	20	☼	1668C	Total/NA
PCB-27	0.000041	J	0.00051	0.0000091	mg/Kg	20	☼	1668C	Total/NA
PCB-31	0.0014	B	0.00051	0.000036	mg/Kg	20	☼	1668C	Total/NA
PCB-32	0.00041	J	0.00051	0.0000087	mg/Kg	20	☼	1668C	Total/NA
PCB-34	0.000087	J	0.00051	0.000040	mg/Kg	20	☼	1668C	Total/NA
PCB-37	0.00060		0.00051	0.000037	mg/Kg	20	☼	1668C	Total/NA
PCB-40/71	0.0039	B	0.0010	0.000061	mg/Kg	20	☼	1668C	Total/NA
PCB-41	0.00014	J	0.00051	0.000071	mg/Kg	20	☼	1668C	Total/NA
PCB-42	0.0019	B	0.00051	0.000066	mg/Kg	20	☼	1668C	Total/NA
PCB-43	0.00018	J	0.00051	0.000072	mg/Kg	20	☼	1668C	Total/NA
PCB-44/47/65	0.021	B	0.0015	0.000057	mg/Kg	20	☼	1668C	Total/NA
PCB-45	0.00045	J B	0.00051	0.000068	mg/Kg	20	☼	1668C	Total/NA
PCB-46	0.00041	J	0.00051	0.000072	mg/Kg	20	☼	1668C	Total/NA
PCB-48	0.00068	B	0.00051	0.000061	mg/Kg	20	☼	1668C	Total/NA
PCB-49/69	0.014	B	0.0010	0.000050	mg/Kg	20	☼	1668C	Total/NA
PCB-50/53	0.0019	B	0.0010	0.000058	mg/Kg	20	☼	1668C	Total/NA
PCB-51	0.00060	B	0.00051	0.000057	mg/Kg	20	☼	1668C	Total/NA
PCB-52	0.062	E B	0.00051	0.000061	mg/Kg	20	☼	1668C	Total/NA
PCB-54	0.000086	J	0.00051	0.0000078	mg/Kg	20	☼	1668C	Total/NA
PCB-56	0.0053	B	0.00051	0.00026	mg/Kg	20	☼	1668C	Total/NA
PCB-59/62/75	0.00054	J	0.0015	0.000045	mg/Kg	20	☼	1668C	Total/NA
PCB-60	0.0021		0.00051	0.00024	mg/Kg	20	☼	1668C	Total/NA
PCB-61/70/74/76	0.064	B	0.0020	0.00024	mg/Kg	20	☼	1668C	Total/NA
PCB-63	0.00075		0.00051	0.00022	mg/Kg	20	☼	1668C	Total/NA
PCB-64	0.0066	B	0.00051	0.000042	mg/Kg	20	☼	1668C	Total/NA
PCB-66	0.019	B	0.00051	0.00025	mg/Kg	20	☼	1668C	Total/NA
PCB-68	0.00027	J B	0.00051	0.00022	mg/Kg	20	☼	1668C	Total/NA
PCB-72	0.00059		0.00051	0.00023	mg/Kg	20	☼	1668C	Total/NA
PCB-77	0.0022	G	0.00024	0.00024	mg/Kg	20	☼	1668C	Total/NA
PCB-79	0.0011		0.00051	0.00022	mg/Kg	20	☼	1668C	Total/NA
PCB-82	0.015	G B	0.0021	0.0021	mg/Kg	20	☼	1668C	Total/NA
PCB-84	0.030	G B	0.0019	0.0019	mg/Kg	20	☼	1668C	Total/NA
PCB-85/116/117	0.027	B	0.0015	0.0015	mg/Kg	20	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.10	B	0.0031	0.0015	mg/Kg	20	☼	1668C	Total/NA
PCB-88/91	0.015	G B	0.0017	0.0017	mg/Kg	20	☼	1668C	Total/NA
PCB-90/101/113	0.16	E B	0.0015	0.0015	mg/Kg	20	☼	1668C	Total/NA
PCB-92	0.030	G B	0.0018	0.0018	mg/Kg	20	☼	1668C	Total/NA
PCB-107/124	0.0068	G	0.0013	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-95	0.096	E G B	0.0017	0.0017	mg/Kg	20	☼	1668C	Total/NA
PCB-96	0.00052		0.00051	0.0000076	mg/Kg	20	☼	1668C	Total/NA
PCB-98/102	0.0019	G	0.0016	0.0016	mg/Kg	20	☼	1668C	Total/NA
PCB-99	0.064	E G B	0.0014	0.0014	mg/Kg	20	☼	1668C	Total/NA
PCB-104	0.000010	J	0.00051	0.000010	mg/Kg	20	☼	1668C	Total/NA
PCB-105	0.074	E G B	0.0013	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-110/115	0.20	E G B	0.0013	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-109	0.012	G B	0.0013	0.0013	mg/Kg	20	☼	1668C	Total/NA
PCB-114	0.0027	G	0.0014	0.0014	mg/Kg	20	☼	1668C	Total/NA
PCB-118	0.17	E G B	0.0011	0.0011	mg/Kg	20	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-1 (12292017) (Continued) — Lab Sample ID: 680-147344-11

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-123	0.0022	G	0.0014	0.0014	mg/Kg	20	☼	1668C	Total/NA
PCB-128/166	0.039	B	0.0010	0.00085	mg/Kg	20	☼	1668C	Total/NA
PCB-129/138/163	0.23	E B	0.0015	0.00090	mg/Kg	20	☼	1668C	Total/NA
PCB-130	0.015	G B	0.0011	0.0011	mg/Kg	20	☼	1668C	Total/NA
PCB-131	0.0026	G	0.0010	0.0010	mg/Kg	20	☼	1668C	Total/NA
PCB-132	0.062	E G B	0.0010	0.0010	mg/Kg	20	☼	1668C	Total/NA
PCB-133	0.0023	G	0.0010	0.0010	mg/Kg	20	☼	1668C	Total/NA
PCB-134/143	0.010	G B	0.0011	0.0011	mg/Kg	20	☼	1668C	Total/NA
PCB-135/151	0.041	B	0.0010	0.00096	mg/Kg	20	☼	1668C	Total/NA
PCB-136	0.016	G B	0.00071	0.00071	mg/Kg	20	☼	1668C	Total/NA
PCB-137	0.010	G B	0.00085	0.00085	mg/Kg	20	☼	1668C	Total/NA
PCB-139/140	0.0035		0.0010	0.00092	mg/Kg	20	☼	1668C	Total/NA
PCB-141	0.030	G B	0.0010	0.0010	mg/Kg	20	☼	1668C	Total/NA
PCB-144	0.0060	G B	0.00092	0.00092	mg/Kg	20	☼	1668C	Total/NA
PCB-146	0.022	G B	0.00088	0.00088	mg/Kg	20	☼	1668C	Total/NA
PCB-147/149	0.11	B	0.0010	0.00093	mg/Kg	20	☼	1668C	Total/NA
PCB-153/168	0.14	E B	0.0010	0.00078	mg/Kg	20	☼	1668C	Total/NA
PCB-156/157	0.029	G B	0.00021	0.00021	mg/Kg	20	☼	1668C	Total/NA
PCB-158	0.023	G B	0.00071	0.00071	mg/Kg	20	☼	1668C	Total/NA
PCB-159	0.00043	J	0.00051	0.00015	mg/Kg	20	☼	1668C	Total/NA
PCB-162	0.00069		0.00051	0.00015	mg/Kg	20	☼	1668C	Total/NA
PCB-164	0.015	G B	0.00084	0.00084	mg/Kg	20	☼	1668C	Total/NA
PCB-167	0.0091	G B	0.00013	0.00013	mg/Kg	20	☼	1668C	Total/NA
PCB-170	0.019	B	0.00051	0.000026	mg/Kg	20	☼	1668C	Total/NA
PCB-171/173	0.0060	B	0.0010	0.000027	mg/Kg	20	☼	1668C	Total/NA
PCB-172	0.0027	B	0.00051	0.000026	mg/Kg	20	☼	1668C	Total/NA
PCB-174	0.016	B	0.00051	0.000029	mg/Kg	20	☼	1668C	Total/NA
PCB-175	0.00069		0.00051	0.000014	mg/Kg	20	☼	1668C	Total/NA
PCB-176	0.0017		0.00051	0.000010	mg/Kg	20	☼	1668C	Total/NA
PCB-177	0.0087	B	0.00051	0.000026	mg/Kg	20	☼	1668C	Total/NA
PCB-178	0.0025		0.00051	0.000015	mg/Kg	20	☼	1668C	Total/NA
PCB-179	0.0048	B	0.00051	0.000011	mg/Kg	20	☼	1668C	Total/NA
PCB-180/193	0.029	B	0.0010	0.000022	mg/Kg	20	☼	1668C	Total/NA
PCB-181	0.00041	J	0.00051	0.000024	mg/Kg	20	☼	1668C	Total/NA
PCB-182	0.00016	J	0.00051	0.000013	mg/Kg	20	☼	1668C	Total/NA
PCB-183	0.0070	B	0.00051	0.000020	mg/Kg	20	☼	1668C	Total/NA
PCB-184	0.000019	J	0.00051	0.000011	mg/Kg	20	☼	1668C	Total/NA
PCB-185	0.0012		0.00051	0.000025	mg/Kg	20	☼	1668C	Total/NA
PCB-187	0.014	B	0.00051	0.000013	mg/Kg	20	☼	1668C	Total/NA
PCB-188	0.000019	J	0.00051	0.000010	mg/Kg	20	☼	1668C	Total/NA
PCB-189	0.00079		0.000051	0.000012	mg/Kg	20	☼	1668C	Total/NA
PCB-190	0.0032		0.00051	0.000019	mg/Kg	20	☼	1668C	Total/NA
PCB-191	0.00074		0.00051	0.000019	mg/Kg	20	☼	1668C	Total/NA
PCB-194	0.0039		0.00051	0.0000098	mg/Kg	20	☼	1668C	Total/NA
PCB-195	0.0015		0.00051	0.000010	mg/Kg	20	☼	1668C	Total/NA
PCB-196	0.0022		0.00051	0.000013	mg/Kg	20	☼	1668C	Total/NA
PCB-197	0.00017	J	0.00051	0.0000088	mg/Kg	20	☼	1668C	Total/NA
PCB-198/199	0.0051		0.0010	0.000013	mg/Kg	20	☼	1668C	Total/NA
PCB-200	0.00068		0.00051	0.000011	mg/Kg	20	☼	1668C	Total/NA
PCB-201	0.00061		0.00051	0.0000096	mg/Kg	20	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-1 (12292017) (Continued) — Lab Sample ID: 680-147344-11

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-202	0.00090		0.00051	0.000010	mg/Kg	20	☼	1668C	Total/NA
PCB-203	0.0034		0.00051	0.000013	mg/Kg	20	☼	1668C	Total/NA
PCB-205	0.00025	J	0.00051	0.0000082	mg/Kg	20	☼	1668C	Total/NA
PCB-206	0.0025		0.00051	0.000012	mg/Kg	20	☼	1668C	Total/NA
PCB-207	0.00033	J	0.00051	0.0000088	mg/Kg	20	☼	1668C	Total/NA
PCB-208	0.00060		0.00051	0.0000098	mg/Kg	20	☼	1668C	Total/NA
PCB-209	0.00023	J	0.00051	0.0000066	mg/Kg	20	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	2.2		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-204-1A (12292017)

Date Collected: 12/29/17 12:10
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-1

Matrix: Solid
Percent Solids: 84.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0000037**	**J**	0.00023	0.00000088	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-2	**0.0000030**	**J**	0.00023	0.00000075	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-3	**0.0000039**	**J**	0.00023	0.00000082	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-4	0.000011	U	0.00023	0.000011	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-5	0.0000045	U	0.00023	0.0000045	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-6	0.0000047	U	0.00023	0.0000047	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-7	0.0000045	U	0.00023	0.0000045	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-8	**0.000037**	**J**	0.00023	0.0000046	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-9	0.0000047	U	0.00023	0.0000047	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-10	0.0000082	U	0.00023	0.0000082	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-11	0.0000045	U	0.00023	0.0000045	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-12/13	0.0000045	U	0.00046	0.0000045	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-14	0.0000039	U	0.00023	0.0000039	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-15	**0.000014**	**J**	0.00023	0.0000047	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-16	**0.000024**	**J**	0.00023	0.0000035	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-17	**0.000024**	**J**	0.00023	0.0000026	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-18/30	**0.000070**	**J**	0.00046	0.0000023	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-19	**0.0000083**	**J**	0.00023	0.0000035	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-20/28	**0.00012**	**J B**	0.00046	0.0000045	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-21/33	**0.00031**	**J B**	0.00046	0.0000043	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-22	**0.000038**	**J**	0.00023	0.0000046	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-23	0.0000044	U	0.00023	0.0000044	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-24	0.0000021	U	0.00023	0.0000021	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-25	0.0000044	U	0.00023	0.0000044	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-26/29	**0.000018**	**J**	0.00046	0.0000044	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-27	0.0000020	U	0.00023	0.0000020	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-31	**0.00014**	**J B**	0.00023	0.0000041	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-32	**0.000023**	**J**	0.00023	0.0000019	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-34	0.0000045	U	0.00023	0.0000045	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-35	0.0000046	U	0.00023	0.0000046	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-36	0.0000042	U	0.00023	0.0000042	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-37	**0.000068**	**J F1**	0.00023	0.0000044	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-38	0.0000046	U	0.00023	0.0000046	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-39	0.0000041	U	0.00023	0.0000041	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-40/71	**0.00037**	**J B**	0.00046	0.0000088	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-41	**0.000025**	**J**	0.00023	0.000010	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-42	**0.00017**	**J B**	0.00023	0.0000095	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-43	**0.000028**	**J**	0.00023	0.000010	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-44/47/65	**0.0024**	**B**	0.00069	0.0000083	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-45	**0.000052**	**J B**	0.00023	0.0000099	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-46	0.000010	U	0.00023	0.000010	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-48	**0.00010**	**J B**	0.00023	0.0000088	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-49/69	**0.0012**	**B**	0.00046	0.0000073	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-50/53	**0.00012**	**J B**	0.00046	0.0000084	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-51	**0.000014**	**J B**	0.00023	0.0000083	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-52	**0.0071**	**B**	0.00023	0.0000088	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-54	0.0000015	U	0.00023	0.0000015	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10

Client Sample ID: SB-204-1A (12292017)

Date Collected: 12/29/17 12:10
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-1

Matrix: Solid
Percent Solids: 84.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-55	0.000025	U	0.00023	0.000025	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-56	**0.00063**	**B**	0.00023	0.000026	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-57	0.000025	U	0.00023	0.000025	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-58	0.000025	U	0.00023	0.000025	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-59/62/75	**0.000053**	**J**	0.00069	0.0000064	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-60	**0.00027**		0.00023	0.000025	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-61/70/74/76	**0.0067**	**B**	0.00091	0.000024	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-63	**0.000058**	**J**	0.00023	0.000022	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-64	**0.00074**	**B**	0.00023	0.0000061	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-66	**0.0019**	**B**	0.00023	0.000026	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-67	0.000024	U	0.00023	0.000024	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-68	0.000022	U	0.00023	0.000022	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-72	0.000024	U	0.00023	0.000024	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-73	0.0000066	U	0.00023	0.0000066	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-77	**0.00028**	**G F1 F2**	0.000024	0.000024	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-78	0.000026	U	0.00023	0.000026	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-79	**0.00012**	**J**	0.00023	0.000023	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-80	**0.000090**	**J**	0.00023	0.000022	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-81	0.000025	U G	0.000025	0.000025	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-82	**0.0020**	**G B**	0.00026	0.00026	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-83	0.00028	U G	0.00028	0.00028	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-84	**0.0045**	**G B**	0.00024	0.00024	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-85/116/117	**0.0035**	**B**	0.00069	0.00018	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-86/87/97/108/119/125	**0.014**	**B**	0.0014	0.00019	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-88/91	**0.0019**	**B**	0.00046	0.00021	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-89	0.00023	U	0.00023	0.00023	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-90/101/113	**0.021**	**B**	0.00069	0.00019	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-92	**0.0038**	**B**	0.00023	0.00022	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-93/100	0.00021	U	0.00046	0.00021	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-107/124	**0.00083**		0.00046	0.00017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-94	0.00022	U	0.00023	0.00022	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-95	**0.013**	**B**	0.00023	0.00021	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-96	**0.000068**	**J**	0.00023	0.0000014	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-98/102	**0.00027**	**J**	0.00046	0.00020	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-99	**0.0082**	**B**	0.00023	0.00018	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-103	0.00019	U	0.00023	0.00019	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-104	0.0000016	U	0.00023	0.0000016	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-105	**0.0090**	**G B F2**	0.00016	0.00016	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-106	0.00017	U	0.00023	0.00017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-110/115	**0.024**	**B**	0.00046	0.00017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-109	**0.0014**	**B**	0.00023	0.00016	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-111	0.00016	U	0.00023	0.00016	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-112	0.00017	U	0.00023	0.00017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-114	**0.00030**	**G F2 F1**	0.00017	0.00017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-118	**0.022**	**G B F2**	0.00017	0.00017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-120	0.00015	U	0.00023	0.00015	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-121	0.00015	U	0.00023	0.00015	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-122	0.00018	U	0.00023	0.00018	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-123	**0.00024**	**G F1**	0.00017	0.00017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10

Client Sample ID: SB-204-1A (12292017)

Date Collected: 12/29/17 12:10
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-1

Matrix: Solid
Percent Solids: 84.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	0.00016	U G	0.00016	0.00016	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-127	0.00017	U	0.00023	0.00017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-128/166	**0.0042**	**B**	0.00046	0.000093	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-129/138/163	**0.025**	**B**	0.00069	0.000099	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-130	**0.0016**	**B**	0.00023	0.00012	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-131	**0.00029**		0.00023	0.00011	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-132	**0.0066**	**B**	0.00023	0.00011	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-133	**0.00023**		0.00023	0.00011	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-134/143	**0.0010**	**B**	0.00046	0.00012	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-135/151	**0.0041**	**B**	0.00046	0.00010	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-136	**0.0017**	**B**	0.00023	0.000078	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-137	**0.0012**	**B**	0.00023	0.000094	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-139/140	**0.00038**	**J**	0.00046	0.00010	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-141	**0.0034**	**B**	0.00023	0.00011	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-142	0.00012	U	0.00023	0.00012	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-144	**0.00067**	**B**	0.00023	0.00010	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-145	0.000076	U	0.00023	0.000076	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-146	**0.0023**	**B**	0.00023	0.000096	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-147/149	**0.012**	**B**	0.00046	0.00010	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-148	0.00010	U	0.00023	0.00010	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-150	0.000071	U	0.00023	0.000071	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-152	0.000074	U	0.00023	0.000074	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-153/168	**0.015**	**B**	0.00046	0.000086	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-154	**0.00011**	**J**	0.00023	0.000092	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-155	0.000094	U	0.00023	0.000094	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-156/157	**0.0037**	**B F2**	0.000046	0.000024	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-158	**0.0026**	**B**	0.00023	0.000078	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-159	**0.000047**	**J**	0.00023	0.000018	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-160	0.000095	U	0.00023	0.000095	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-161	0.000088	U	0.00023	0.000088	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-162	**0.000091**	**J**	0.00023	0.000017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-164	**0.0015**	**B**	0.00023	0.000092	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-165	0.000091	U	0.00023	0.000091	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-167	**0.0011**	**B F2**	0.000023	0.000015	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-169	0.000016	U	0.000023	0.000016	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-170	**0.0026**	**B**	0.00023	0.0000032	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-171/173	**0.00085**	**B**	0.00046	0.0000033	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-172	**0.00039**	**B**	0.00023	0.0000032	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-174	**0.0022**	**B**	0.00023	0.0000035	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-175	**0.000087**	**J**	0.00023	0.0000021	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-176	**0.00020**	**J**	0.00023	0.0000015	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-177	**0.0012**	**B**	0.00023	0.0000033	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-178	**0.00031**		0.00023	0.0000022	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-179	**0.00057**	**B**	0.00023	0.0000016	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-180/193	**0.0042**	**B**	0.00046	0.0000027	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-181	**0.000059**	**J**	0.00023	0.0000029	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-182	**0.000014**	**J**	0.00023	0.0000020	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-183	**0.0010**	**B**	0.00023	0.0000025	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-184	**0.0000031**	**J**	0.00023	0.0000017	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10

Client Sample ID: SB-204-1A (12292017)

Lab Sample ID: 680-147344-1

Date Collected: 12/29/17 12:10
Date Received: 12/29/17 14:00

Matrix: Solid
Percent Solids: 84.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-185	**0.00018**	**J**	0.00023	0.0000031	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-186	0.0000016	U	0.00023	0.0000016	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-187	**0.0017**	**B**	0.00023	0.0000020	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-188	**0.0000034**	**J**	0.00023	0.0000018	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-189	**0.00011**	**F1**	0.000023	0.0000013	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-190	**0.00045**		0.00023	0.0000023	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-191	**0.000098**	**J**	0.00023	0.0000024	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-192	0.0000025	U	0.00023	0.0000025	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-194	**0.00052**		0.00023	0.0000015	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-195	**0.00020**	**J**	0.00023	0.0000016	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-196	**0.00029**		0.00023	0.0000048	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-197	**0.000022**	**J**	0.00023	0.0000033	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-198/199	**0.00064**		0.00046	0.0000051	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-200	**0.000081**	**J**	0.00023	0.0000040	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-201	**0.000078**	**J**	0.00023	0.0000037	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-202	**0.00012**	**J F1**	0.00023	0.0000043	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-203	**0.00042**		0.00023	0.0000048	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-204	0.0000038	U	0.00023	0.0000038	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-205	**0.000031**	**J**	0.00023	0.0000011	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-206	**0.00028**	**F1**	0.00023	0.0000028	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-207	**0.000038**	**J**	0.00023	0.0000021	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-208	**0.000074**	**J F1**	0.00023	0.0000023	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10
PCB-209	**0.000031**	**J**	0.00023	0.0000014	mg/Kg	☼	01/09/18 10:14	01/17/18 21:07	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*45*		*5 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-3L	*47*		*5 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-4L	*45*		*5 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-15L	*48*		*5 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-19L	*47*		*5 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-37L	*58*		*5 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-54L	*38*		*5 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-77L	*73*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-81L	*72*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-104L	*50*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-105L	*78*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-114L	*73*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-118L	*74*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-123L	*73*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-126L	*84*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-155L	*58*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-156L/157L	*99*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-167L	*98*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-169L	*91*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-188L	*71*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-189L	*88*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-202L	*86*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-205L	*90*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-206L	*83*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-208L	*89*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*

Client Sample ID: SB-204-1A (12292017)

Lab Sample ID: 680-147344-1

Date Collected: 12/29/17 12:10
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 84.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-209L	*89*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*49*		*5 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-111L	*70*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*
PCB-178L	*94*		*10 - 145*	*01/09/18 10:14*	*01/17/18 21:07*	*10*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**0.26**		0.0000020	0.0000050	mg/Kg			01/24/18 08:56	1

Client Sample ID: SB-204-2A (12292017)

Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2

Matrix: Solid
Percent Solids: 81.4

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000089	J	0.00024	0.0000027	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-2	0.000010	J	0.00024	0.0000022	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-3	0.000042	J	0.00024	0.0000022	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-4	0.00023	J	0.00024	0.000015	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-5	0.000019	J	0.00024	0.0000095	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-6	0.00011	J	0.00024	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-7	0.000024	J	0.00024	0.0000096	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-8	0.00055		0.00024	0.0000098	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-9	0.000037	J	0.00024	0.0000099	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-10	0.000012	J	0.00024	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-11	0.0000096	U	0.00024	0.0000096	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-12/13	0.000053	J	0.00049	0.0000096	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-14	0.0000084	U	0.00024	0.0000084	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-15	0.00022	J	0.00024	0.0000096	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-16	0.00043		0.00024	0.0000077	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-17	0.00060		0.00024	0.0000058	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-18/30	0.0011		0.00049	0.0000051	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-19	0.00024		0.00024	0.0000088	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-20/28	0.0023	B	0.00049	0.000058	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-21/33	0.0033	B	0.00049	0.000055	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-22	0.00053		0.00024	0.000060	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-23	0.000056	U	0.00024	0.000056	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-24	0.000021	J	0.00024	0.0000046	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-25	0.00012	J	0.00024	0.000056	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-26/29	0.00032	J	0.00049	0.000056	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-27	0.000072	J	0.00024	0.0000044	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-31	0.0025	B	0.00024	0.000053	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-32	0.00061		0.00024	0.0000042	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-34	0.00014	J	0.00024	0.000058	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-35	0.000059	U	0.00024	0.000059	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-36	0.000054	U	0.00024	0.000054	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-37	0.00094		0.00024	0.000053	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-38	0.000060	U	0.00024	0.000060	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-39	0.000053	U	0.00024	0.000053	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-40/71	0.0078	B	0.00049	0.00011	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-41	0.00029		0.00024	0.00012	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-42	0.0040	B	0.00024	0.00011	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-43	0.00050		0.00024	0.00013	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-44/47/65	0.044	B	0.00073	0.00010	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-45	0.00065	B	0.00024	0.00012	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-46	0.00078		0.00024	0.00012	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-48	0.0014	B	0.00024	0.00011	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-49/69	0.028	B	0.00049	0.000088	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-50/53	0.0034	B	0.00049	0.00010	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-51	0.0011	B	0.00024	0.000099	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-52	0.13	E B	0.00024	0.00011	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-54	0.00012	J	0.00024	0.0000023	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-55	0.00044	U G	0.00044	0.00044	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-56	0.011	G B	0.00046	0.00046	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10

Client Sample ID: SB-204-2A (12292017)

Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2

Matrix: Solid
Percent Solids: 81.4

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.00044	U G	0.00044	0.00044	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-58	0.00043	U G	0.00043	0.00043	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-59/62/75	**0.0010**		0.00073	0.000077	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-60	**0.0042**	**G**	0.00044	0.00044	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-61/70/74/76	**0.13**	**E B**	0.00097	0.00043	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-63	**0.0014**	**G**	0.00039	0.00039	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-64	**0.013**	**B**	0.00024	0.000074	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-66	**0.038**	**E G B**	0.00045	0.00045	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-67	0.00041	U G	0.00041	0.00041	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-68	**0.00049**	**G B**	0.00039	0.00039	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-72	**0.0011**	**G**	0.00041	0.00041	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-73	0.000080	U	0.00024	0.000080	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-77	**0.0045**	**G**	0.00042	0.00042	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-78	0.00045	U G	0.00045	0.00045	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-79	**0.0024**	**G**	0.00040	0.00040	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-80	0.00038	U G	0.00038	0.00038	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-81	0.00040	U G	0.00040	0.00040	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-82	**0.033**	**E G B**	0.0040	0.0040	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-83	0.0044	U G	0.0044	0.0044	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-84	**0.066**	**E G B**	0.0037	0.0037	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-85/116/117	**0.055**	**G B**	0.0028	0.0028	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-86/87/97/108/119/125	**0.23**	**E G B**	0.0029	0.0029	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-88/91	**0.032**	**G B**	0.0032	0.0032	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-89	0.0035	U G	0.0035	0.0035	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-90/101/113	**0.34**	**E G B**	0.0029	0.0029	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-92	**0.063**	**E G B**	0.0034	0.0034	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-93/100	0.0032	U G	0.0032	0.0032	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-107/124	**0.014**	**G**	0.0026	0.0026	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-94	0.0034	U G	0.0034	0.0034	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-95	**0.21**	**E G B**	0.0032	0.0032	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-96	**0.0011**		0.00024	0.0000028	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-98/102	**0.0041**	**G**	0.0031	0.0031	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-99	**0.13**	**E G B**	0.0027	0.0027	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-103	0.0029	U G	0.0029	0.0029	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-104	**0.000027**	**J**	0.00024	0.0000037	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-105	**0.15**	**E G B**	0.0025	0.0025	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-106	0.0027	U G	0.0027	0.0027	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-110/115	**0.41**	**E G B**	0.0026	0.0026	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-109	**0.026**	**E G B**	0.0024	0.0024	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-111	0.0025	U G	0.0025	0.0025	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-112	0.0026	U G	0.0026	0.0026	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-114	**0.0066**	**G**	0.0027	0.0027	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-118	**0.32**	**E G B**	0.0021	0.0021	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-120	0.0024	U G	0.0024	0.0024	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-121	0.0024	U G	0.0024	0.0024	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-122	0.0028	U G	0.0028	0.0028	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-123	**0.0047**	**G**	0.0028	0.0028	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-126	0.0026	U G	0.0026	0.0026	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-127	0.0026	U G	0.0026	0.0026	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10

Client Sample ID: SB-204-2A (12292017)

Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2

Matrix: Solid
Percent Solids: 81.4

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	0.088	E G B	0.0018	0.0018	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-129/138/163	0.50	E G B	0.0019	0.0019	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-130	0.033	E G B	0.0024	0.0024	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-131	0.0061	G	0.0022	0.0022	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-132	0.14	E G B	0.0022	0.0022	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-133	0.0052	G	0.0022	0.0022	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-134/143	0.024	G B	0.0022	0.0022	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-135/151	0.091	E G B	0.0020	0.0020	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-136	0.037	E G B	0.0015	0.0015	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-137	0.024	G B	0.0018	0.0018	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-139/140	0.0081	G	0.0019	0.0019	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-141	0.070	E G B	0.0021	0.0021	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-142	0.0023	U G	0.0023	0.0023	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-144	0.014	G B	0.0020	0.0020	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-145	0.0015	U G	0.0015	0.0015	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-146	0.050	E G B	0.0019	0.0019	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-147/149	0.26	E G B	0.0020	0.0020	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-148	0.0019	U G	0.0019	0.0019	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-150	0.0014	U G	0.0014	0.0014	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-152	0.0014	U G	0.0014	0.0014	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-153/168	0.30	E G B	0.0017	0.0017	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-154	0.0023	G	0.0018	0.0018	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-155	0.0015	U G	0.0015	0.0015	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-156/157	0.069	E G B	0.00044	0.00044	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-158	0.053	E G B	0.0015	0.0015	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-159	0.00094	G	0.00032	0.00032	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-160	0.0018	U G	0.0018	0.0018	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-161	0.0017	U G	0.0017	0.0017	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-162	0.0015	G	0.00031	0.00031	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-164	0.034	E G B	0.0018	0.0018	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-165	0.0017	U G	0.0017	0.0017	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-167	0.020	G B	0.00027	0.00027	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-169	0.00030	U G	0.00030	0.00030	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-170	0.044	E B	0.00024	0.000067	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-171/173	0.014	B	0.00049	0.000068	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-172	0.0065	B	0.00024	0.000066	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-174	0.037	E B	0.00024	0.000072	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-175	0.0016		0.00024	0.000020	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-176	0.0041		0.00024	0.000014	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-177	0.020	B	0.00024	0.000067	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-178	0.0060		0.00024	0.000020	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-179	0.012	B	0.00024	0.000015	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-180/193	0.072	E B	0.00049	0.000055	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-181	0.00095		0.00024	0.000060	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-182	0.00035		0.00024	0.000018	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-183	0.017	B	0.00024	0.000052	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-184	0.000041	J	0.00024	0.000016	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-185	0.0028		0.00024	0.000063	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-186	0.000020	J	0.00024	0.000015	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10

Client Sample ID: SB-204-2A (12292017)

Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2

Matrix: Solid
Percent Solids: 81.4

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	0.034	E B	0.00024	0.000018	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-188	0.000045	J	0.00024	0.000015	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-189	0.0019		0.000024	0.0000068	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-190	0.0077		0.00024	0.000048	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-191	0.0017		0.00024	0.000049	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-192	0.000052	U	0.00024	0.000052	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-194	0.0095		0.00024	0.0000051	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-195	0.0035		0.00024	0.0000054	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-196	0.0057		0.00024	0.000018	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-197	0.00040		0.00024	0.000013	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-198/199	0.013		0.00049	0.000020	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-200	0.0016		0.00024	0.000016	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-201	0.0015		0.00024	0.000014	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-202	0.0024		0.00024	0.000016	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-203	0.0088		0.00024	0.000018	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-204	0.000015	U	0.00024	0.000015	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-205	0.00058		0.00024	0.0000040	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-206	0.0066		0.00024	0.0000043	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-207	0.00088		0.00024	0.0000031	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-208	0.0015		0.00024	0.0000034	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10
PCB-209	0.00046		0.00024	0.0000020	mg/Kg	☼	01/09/18 10:14	01/20/18 11:11	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	38		5 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-3L	46		5 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-4L	47		5 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-15L	55		5 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-19L	53		5 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-37L	65		5 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-54L	40		5 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-77L	85		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-81L	93		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-104L	52		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-105L	89		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-114L	78		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-118L	104		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-123L	79		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-126L	90		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-155L	56		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-156L/157L	72		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-167L	72		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-169L	69		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-188L	97		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-189L	98		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-202L	98		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-205L	99		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-206L	90		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-208L	105		10 - 145	01/09/18 10:14	01/20/18 11:11	10
PCB-209L	99		10 - 145	01/09/18 10:14	01/20/18 11:11	10

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-204-2A (12292017)

Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2

Matrix: Solid
Percent Solids: 81.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*50*		*5 - 145*	*01/09/18 10:14*	*01/20/18 11:11*	*10*
PCB-111L	*77*		*10 - 145*	*01/09/18 10:14*	*01/20/18 11:11*	*10*
PCB-178L	*84*		*10 - 145*	*01/09/18 10:14*	*01/20/18 11:11*	*10*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**4.7**		0.0000020	0.0000050	mg/Kg			01/24/18 08:56	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-204-3A (12292017)

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-3

Matrix: Solid
Percent Solids: 89.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00025		0.00023	0.0000039	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-2	0.000024	J	0.00023	0.0000031	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-3	0.00011	J	0.00023	0.0000032	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-4	0.0018		0.00023	0.000033	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-5	0.00016	J	0.00023	0.000051	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-6	0.00032		0.00023	0.000054	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-7	0.00010	J	0.00023	0.000051	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-8	0.0061		0.00023	0.000053	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-9	0.000085	J	0.00023	0.000053	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-10	0.000054	J	0.00023	0.000022	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-11	0.000052	U	0.00023	0.000052	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-12/13	0.00018	J	0.00045	0.000051	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-14	0.000045	U	0.00023	0.000045	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-15	0.00061		0.00023	0.000050	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-16	0.0031		0.00023	0.000099	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-17	0.013		0.00023	0.000075	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-18/30	0.013		0.00045	0.000066	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-19	0.0051		0.00023	0.00011	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-20/28	0.055	E B	0.00045	0.00037	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-21/33	0.0083	B	0.00045	0.00035	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-22	0.0058	G	0.00038	0.00038	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-23	0.00036	U G	0.00036	0.00036	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-24	0.000060	U	0.00023	0.000060	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-25	0.00049	G	0.00036	0.00036	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-26/29	0.0013		0.00045	0.00036	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-27	0.00068		0.00023	0.000057	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-31	0.023	E G B	0.00034	0.00034	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-32	0.037	E	0.00023	0.000054	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-34	0.00037	U G	0.00037	0.00037	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-35	0.00037	U G	0.00037	0.00037	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-36	0.00034	U G	0.00034	0.00034	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-37	0.0033	G	0.00035	0.00035	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-38	0.00038	U G	0.00038	0.00038	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-39	0.00034	U G	0.00034	0.00034	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-40/71	0.057	E B	0.00045	0.00033	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-41	0.0016	G	0.00039	0.00039	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-42	0.031	E G B	0.00036	0.00036	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-43	0.0023	G	0.00040	0.00040	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-44/47/65	0.20	E B	0.00068	0.00032	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-45	0.00038	U G	0.00038	0.00038	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-46	0.013	G	0.00039	0.00039	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-48	0.0056	G B	0.00033	0.00033	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-49/69	0.14	E B	0.00045	0.00028	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-50/53	0.050	E B	0.00045	0.00032	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-51	0.034	E G B	0.00031	0.00031	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-52	0.25	E G B	0.00034	0.00034	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-54	0.0049		0.00023	0.0000038	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-55	0.00088	U G	0.00088	0.00088	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-56	0.024	E G B	0.00092	0.00092	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10

Client Sample ID: SB-204-3A (12292017)

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-3

Matrix: Solid
Percent Solids: 89.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.00088	U G	0.00088	0.00088	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-58	0.00086	U G	0.00086	0.00086	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-59/62/75	**0.0056**		0.00068	0.00025	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-60	**0.0094**	**G**	0.00088	0.00088	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-61/70/74/76	**0.21**	**E B**	0.00091	0.00086	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-63	**0.0050**	**G**	0.00078	0.00078	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-64	**0.027**	**E B**	0.00023	0.00023	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-66	**0.10**	**E G B**	0.00090	0.00090	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-67	0.00082	U G	0.00082	0.00082	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-68	**0.0026**	**G B**	0.00077	0.00077	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-72	**0.0020**	**G**	0.00083	0.00083	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-73	**0.0016**	**G**	0.00025	0.00025	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-77	**0.0087**	**G**	0.00084	0.00084	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-78	0.00089	U G	0.00089	0.00089	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-79	**0.0030**	**G**	0.00079	0.00079	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-80	0.00076	U G	0.00076	0.00076	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-81	0.00081	U G	0.00081	0.00081	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-82	**0.041**	**E G B**	0.0043	0.0043	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-83	0.0047	U G	0.0047	0.0047	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-84	**0.096**	**E G B**	0.0040	0.0040	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-85/116/117	**0.060**	**G B**	0.0030	0.0030	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-86/87/97/108/119/125	**0.28**	**E G B**	0.0031	0.0031	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-88/91	**0.056**	**E G B**	0.0035	0.0035	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-89	0.0038	U G	0.0038	0.0038	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-90/101/113	**0.40**	**E G B**	0.0032	0.0032	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-92	**0.082**	**E G B**	0.0037	0.0037	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-93/100	**0.0040**	**G**	0.0034	0.0034	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-107/124	**0.017**	**G**	0.0028	0.0028	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-94	**0.0039**	**G**	0.0036	0.0036	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-95	**0.28**	**E G B**	0.0034	0.0034	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-96	**0.0029**		0.00023	0.0000059	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-98/102	**0.0084**	**G**	0.0033	0.0033	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-99	**0.16**	**E G B**	0.0029	0.0029	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-103	**0.0033**	**G**	0.0032	0.0032	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-104	**0.00038**		0.00023	0.0000071	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-105	**0.15**	**E G B**	0.0029	0.0029	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-106	0.0029	U G	0.0029	0.0029	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-110/115	**0.45**	**E G B**	0.0028	0.0028	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-109	**0.026**	**E G B**	0.0026	0.0026	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-111	0.0027	U G	0.0027	0.0027	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-112	0.0028	U G	0.0028	0.0028	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-114	**0.0069**	**G**	0.0030	0.0030	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-118	**0.33**	**E G B**	0.0024	0.0024	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-120	0.0026	U G	0.0026	0.0026	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-121	0.0026	U G	0.0026	0.0026	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-122	0.0030	U G	0.0030	0.0030	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-123	**0.0067**	**G**	0.0029	0.0029	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-126	0.0032	U G	0.0032	0.0032	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-127	0.0028	U G	0.0028	0.0028	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10

Client Sample ID: SB-204-3A (12292017)

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-3

Matrix: Solid
Percent Solids: 89.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	0.084	E G B	0.00089	0.00089	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-129/138/163	0.51	E G B	0.00094	0.00094	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-130	0.034	E G B	0.0012	0.0012	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-131	0.0076	G	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-132	0.16	E G B	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-133	0.0058	G	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-134/143	0.028	G B	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-135/151	0.12	E G B	0.0010	0.0010	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-136	0.050	E G B	0.00074	0.00074	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-137	0.026	E G B	0.00089	0.00089	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-139/140	0.0090	G	0.00096	0.00096	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-141	0.087	E G B	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-142	0.0011	U G	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-144	0.019	G B	0.00096	0.00096	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-145	0.00072	U G	0.00072	0.00072	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-146	0.055	E G B	0.00092	0.00092	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-147/149	0.31	E G B	0.00097	0.00097	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-148	0.00096	U G	0.00096	0.00096	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-150	0.00068	U G	0.00068	0.00068	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-152	0.00070	U G	0.00070	0.00070	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-153/168	0.34	E G B	0.00082	0.00082	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-154	0.0029	G	0.00087	0.00087	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-155	0.00065	U G	0.00065	0.00065	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-156/157	0.066	E G B	0.00045	0.00045	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-158	0.057	E G B	0.00074	0.00074	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-159	0.0019	G	0.00033	0.00033	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-160	0.00091	U G	0.00091	0.00091	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-161	0.00084	U G	0.00084	0.00084	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-162	0.0015	G	0.00032	0.00032	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-164	0.036	E G B	0.00087	0.00087	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-165	0.00086	U G	0.00086	0.00086	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-167	0.020	G B	0.00028	0.00028	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-169	0.00035	U G	0.00035	0.00035	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-170	0.058	E B	0.00023	0.000092	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-171/173	0.021	B	0.00045	0.000094	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-172	0.010	B	0.00023	0.000092	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-174	0.069	E B	0.00023	0.00010	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-175	0.0030		0.00023	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-176	0.0082		0.00023	0.000019	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-177	0.033	E B	0.00023	0.000093	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-178	0.012		0.00023	0.000028	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-179	0.026	E B	0.00023	0.000020	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-180/193	0.13	E B	0.00045	0.000076	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-181	0.00091		0.00023	0.000082	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-182	0.00042		0.00023	0.000025	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-183	0.033	E B	0.00023	0.000072	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-184	0.000068	J	0.00023	0.000021	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-185	0.0062		0.00023	0.000088	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-186	0.000023	J	0.00023	0.000020	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10

Client Sample ID: SB-204-3A (12292017)

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-3
Matrix: Solid
Percent Solids: 89.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	0.070	E B	0.00023	0.000025	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-188	0.00011	J	0.00023	0.000019	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-189	0.0021		0.000023	0.0000087	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-190	0.011		0.00023	0.000067	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-191	0.0026		0.00023	0.000068	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-192	0.000071	U	0.00023	0.000071	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-194	0.018		0.00023	0.000011	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-195	0.0077		0.00023	0.000012	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-196	0.012		0.00023	0.000012	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-197	0.00094		0.00023	0.0000082	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-198/199	0.026		0.00045	0.000012	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-200	0.0036		0.00023	0.0000099	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-201	0.0036		0.00023	0.0000089	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-202	0.0050		0.00023	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-203	0.016		0.00023	0.000012	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-204	0.0000093	U	0.00023	0.0000093	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-205	0.0010		0.00023	0.0000088	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-206	0.0076		0.00023	0.0000039	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-207	0.0012		0.00023	0.0000029	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-208	0.0022		0.00023	0.0000034	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10
PCB-209	0.00082		0.00023	0.0000023	mg/Kg	☼	01/09/18 10:14	01/20/18 12:26	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*47*		*5 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-3L	*53*		*5 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-4L	*53*		*5 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-15L	*69*		*5 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-19L	*62*		*5 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-37L	*66*		*5 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-54L	*41*		*5 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-77L	*83*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-81L	*89*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-104L	*59*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-105L	*91*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-114L	*80*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-118L	*105*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-123L	*83*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-126L	*85*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-155L	*57*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-156L/157L	*72*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-167L	*69*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-169L	*58*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-188L	*103*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-189L	*98*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-202L	*99*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-205L	*102*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-206L	*100*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-208L	*97*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-209L	*97*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*

Client Sample ID: SB-204-3A (12292017)

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-3

Matrix: Solid
Percent Solids: 89.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*56*		*5 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-111L	*77*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*
PCB-178L	*80*		*10 - 145*	*01/09/18 10:14*	*01/20/18 12:26*	*10*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000030	U	0.0000030	0.0000030	mg/Kg	☼	01/08/18 14:08	01/12/18 13:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-1,2,3,4,6,7,8-HpCDD	*66*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:05*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*67*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:05*	*1*
13C-1,2,3,4,7,8-HxCDF	*63*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:05*	*1*
13C-1,2,3,6,7,8-HxCDD	*65*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:05*	*1*
13C-1,2,3,7,8-PeCDD	*61*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:05*	*1*
13C-1,2,3,7,8-PeCDF	*66*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:05*	*1*
13C-2,3,7,8-TCDD	*55*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:05*	*1*
13C-2,3,7,8-TCDF	*69*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:05*	*1*
13C-OCDD	*70*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:05*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*72*		*40 - 135*	*01/08/18 14:08*	*01/12/18 13:31*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**6.5**		0.0000020	0.0000050	mg/Kg			01/24/18 08:56	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-202-1A (12292017)

Date Collected: 12/29/17 11:05
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-5

Matrix: Solid
Percent Solids: 85.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0000029	J	0.00011	0.00000069	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-2	0.0000020	J	0.00011	0.00000056	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-3	0.0000025	J	0.00011	0.00000060	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-4	0.0000090	J	0.00011	0.0000082	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-5	0.0000017	U	0.00011	0.0000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-6	0.0000018	U	0.00011	0.0000018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-7	0.0000017	U	0.00011	0.0000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-8	0.000020	J	0.00011	0.0000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-9	0.0000018	U	0.00011	0.0000018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-10	0.0000057	U	0.00011	0.0000057	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-11	0.0000066	J B	0.00011	0.0000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-12/13	0.0000017	U	0.00022	0.0000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-14	0.0000015	U	0.00011	0.0000015	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-15	0.000015	J	0.00011	0.0000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-16	0.000022	J	0.00011	0.0000015	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-17	0.000029	J	0.00011	0.0000011	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-18/30	0.000056	J	0.00022	0.0000010	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-19	0.000013	J	0.00011	0.0000016	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-20/28	0.00012	J B	0.00022	0.0000026	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-21/33	0.000057	J B	0.00022	0.0000025	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-22	0.000028	J	0.00011	0.0000027	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-23	0.0000025	U	0.00011	0.0000025	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-24	0.00000092	U	0.00011	0.00000092	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-25	0.0000081	J	0.00011	0.0000025	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-26/29	0.000013	J	0.00022	0.0000025	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-27	0.0000046	J	0.00011	0.00000087	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-31	0.000093	J B	0.00011	0.0000024	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-32	0.000048	J	0.00011	0.00000084	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-34	0.0000026	U	0.00011	0.0000026	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-35	0.0000055	J	0.00011	0.0000026	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-36	0.0000025	U	0.00011	0.0000025	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-37	0.000040	J	0.00011	0.0000025	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-38	0.0000027	U	0.00011	0.0000027	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-39	0.0000024	U	0.00011	0.0000024	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-40/71	0.00030	B	0.00022	0.0000044	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-41	0.0000052	U	0.00011	0.0000052	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-42	0.00015	B	0.00011	0.0000048	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-43	0.0000078	J	0.00011	0.0000053	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-44/47/65	0.0015	B	0.00034	0.0000042	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-45	0.000043	J B	0.00011	0.0000050	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-46	0.000029	J	0.00011	0.0000052	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-48	0.000054	J B	0.00011	0.0000044	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-49/69	0.00088	B	0.00022	0.0000037	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-50/53	0.00013	J B	0.00022	0.0000042	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-51	0.000043	J B	0.00011	0.0000042	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5

Client Sample ID: SB-202-1A (12292017)

Date Collected: 12/29/17 11:05
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-5
Matrix: Solid
Percent Solids: 85.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-52	**0.0047**	**B**	0.00011	0.0000045	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-54	**0.0000056**	**J**	0.00011	0.00000052	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-55	0.000018	U	0.00011	0.000018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-56	**0.00041**	**B**	0.00011	0.000019	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-57	0.000018	U	0.00011	0.000018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-58	0.000017	U	0.00011	0.000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-59/62/75	**0.000039**	**J**	0.00034	0.0000033	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-60	**0.00012**		0.00011	0.000018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-61/70/74/76	**0.0035**	**B**	0.00045	0.000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-63	**0.000027**	**J**	0.00011	0.000016	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-64	**0.00054**	**B**	0.00011	0.0000031	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-66	**0.0011**	**B**	0.00011	0.000018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-67	0.000017	U	0.00011	0.000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-68	0.000016	U	0.00011	0.000016	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-72	0.000017	U	0.00011	0.000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-73	0.0000034	U	0.00011	0.0000034	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-77	**0.00019**	**G**	0.000018	0.000018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-78	0.000018	U	0.00011	0.000018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-79	**0.00012**		0.00011	0.000016	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-80	**0.000083**	**J**	0.00011	0.000015	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-81	0.000017	U G	0.000017	0.000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-82	**0.0021**	**G B**	0.00030	0.00030	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-83	0.00032	U G	0.00032	0.00032	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-84	**0.0039**	**G B**	0.00028	0.00028	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-85/116/117	**0.0032**	**B**	0.00034	0.00021	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-86/87/97/108/119/125	**0.013**	**B**	0.00067	0.00022	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-88/91	**0.0020**	**G B**	0.00024	0.00024	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-89	0.00026	U G	0.00026	0.00026	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-90/101/113	**0.019**	**B**	0.00034	0.00022	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-92	**0.0035**	**G B**	0.00025	0.00025	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-93/100	0.00024	U G	0.00024	0.00024	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-107/124	**0.00086**		0.00022	0.00019	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-94	0.00025	U G	0.00025	0.00025	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-95	**0.012**	**E G B**	0.00024	0.00024	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-96	**0.000069**	**J**	0.00011	0.00000058	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-98/102	**0.00025**	**G**	0.00023	0.00023	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-99	**0.0076**	**G B**	0.00020	0.00020	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-103	0.00022	U G	0.00022	0.00022	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-104	0.00000065	U	0.00011	0.00000065	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-105	**0.0072**	**G B**	0.00020	0.00020	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-106	0.00020	U G	0.00020	0.00020	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-110/115	**0.026**	**E B**	0.00022	0.00019	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-109	**0.0012**	**G B**	0.00018	0.00018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-111	0.00019	U G	0.00019	0.00019	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-112	0.00019	U G	0.00019	0.00019	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-114	**0.00026**	**G**	0.00020	0.00020	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-118	**0.018**	**E G B**	0.00018	0.00018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5

Client Sample ID: SB-202-1A (12292017)

Date Collected: 12/29/17 11:05
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-5

Matrix: Solid
Percent Solids: 85.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-120	0.00018	U G	0.00018	0.00018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-121	0.00018	U G	0.00018	0.00018	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-122	0.00021	U G	0.00021	0.00021	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-123	**0.00029**	**G**	0.00019	0.00019	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-126	0.00021	U G	0.00021	0.00021	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-127	0.00020	U G	0.00020	0.00020	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-128/166	**0.0046**	**B**	0.00022	0.000059	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-129/138/163	**0.026**	**B**	0.00034	0.000062	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-130	**0.0017**	**B**	0.00011	0.000078	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-131	**0.00033**		0.00011	0.000072	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-132	**0.0078**	**B**	0.00011	0.000071	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-133	**0.00023**		0.00011	0.000070	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-134/143	**0.0012**	**B**	0.00022	0.000073	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-135/151	**0.0045**	**B**	0.00022	0.000066	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-136	**0.0020**	**B**	0.00011	0.000049	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-137	**0.0014**	**B**	0.00011	0.000059	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-139/140	**0.00042**		0.00022	0.000064	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-141	**0.0038**	**B**	0.00011	0.000070	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-142	0.000075	U	0.00011	0.000075	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-144	**0.00073**	**B**	0.00011	0.000064	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-145	0.000048	U	0.00011	0.000048	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-146	**0.0024**	**B**	0.00011	0.000061	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-147/149	**0.013**	**B**	0.00022	0.000064	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-148	0.000064	U	0.00011	0.000064	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-150	0.000045	U	0.00011	0.000045	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-152	0.000046	U	0.00011	0.000046	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-153/168	**0.015**	**B**	0.00022	0.000054	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-154	**0.000089**	**J**	0.00011	0.000058	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-155	0.000051	U	0.00011	0.000051	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-156/157	**0.0036**	**B**	0.000022	0.000022	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-158	**0.0028**	**B**	0.00011	0.000049	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-159	**0.000054**	**J**	0.00011	0.000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-160	0.000060	U	0.00011	0.000060	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-161	0.000056	U	0.00011	0.000056	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-162	**0.000087**	**J**	0.00011	0.000016	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-164	**0.0016**	**B**	0.00011	0.000058	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-165	0.000057	U	0.00011	0.000057	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-167	**0.0011**	**G B**	0.000014	0.000014	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-169	0.000017	U G	0.000017	0.000017	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-170	**0.0028**	**B**	0.00011	0.0000044	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-171/173	**0.00091**	**B**	0.00022	0.0000045	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-172	**0.00041**	**B**	0.00011	0.0000044	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-174	**0.0024**	**B**	0.00011	0.0000048	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-175	**0.000098**	**J**	0.00011	0.0000012	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-176	**0.00024**		0.00011	0.00000086	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-177	**0.0013**	**B**	0.00011	0.0000044	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-178	**0.00033**		0.00011	0.0000013	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-179	**0.00065**	**B**	0.00011	0.00000091	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5

Client Sample ID: SB-202-1A (12292017)

Date Collected: 12/29/17 11:05
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-5

Matrix: Solid
Percent Solids: 85.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-180/193	0.0046	B	0.00022	0.0000036	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-181	0.000059	J	0.00011	0.0000039	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-182	0.000015	J	0.00011	0.0000011	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-183	0.0011	B	0.00011	0.0000034	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-184	0.0000024	J	0.00011	0.00000095	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-185	0.00019		0.00011	0.0000042	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-186	0.00000091	U	0.00011	0.00000091	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-187	0.0019	B	0.00011	0.0000011	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-188	0.0000025	J	0.00011	0.00000088	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-189	0.00011		0.000011	0.00000079	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-190	0.00048		0.00011	0.0000032	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-191	0.00011		0.00011	0.0000032	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-192	0.0000034	U	0.00011	0.0000034	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-194	0.00054		0.00011	0.0000013	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-195	0.00021		0.00011	0.0000014	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-196	0.00031		0.00011	0.0000014	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-197	0.000024	J	0.00011	0.0000010	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-198/199	0.00064		0.00022	0.0000015	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-200	0.000082	J	0.00011	0.0000012	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-201	0.000082	J	0.00011	0.0000011	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-202	0.00012		0.00011	0.0000012	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-203	0.00043		0.00011	0.0000014	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-204	0.0000012	U	0.00011	0.0000012	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-205	0.000032	J	0.00011	0.0000011	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-206	0.00035		0.00011	0.0000014	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-207	0.000036	J	0.00011	0.0000010	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-208	0.000095	J	0.00011	0.0000011	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5
PCB-209	0.00012		0.00011	0.00000071	mg/Kg	☼	01/09/18 10:14	01/17/18 19:52	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*46*		*5 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-3L	*50*		*5 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-4L	*49*		*5 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-15L	*59*		*5 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-19L	*53*		*5 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-37L	*73*		*5 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-54L	*50*		*5 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-77L	*92*		*10 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-81L	*94*		*10 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-104L	*62*		*10 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-105L	*92*		*10 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-114L	*89*		*10 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-118L	*92*		*10 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-123L	*91*		*10 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-126L	*91*		*10 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*
PCB-155L	*74*		*10 - 145*	*01/09/18 10:14*	*01/17/18 19:52*	*5*

Client Sample ID: SB-202-1A (12292017)

Lab Sample ID: 680-147344-5

Date Collected: 12/29/17 11:05
Date Received: 12/29/17 14:00

Matrix: Solid
Percent Solids: 85.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-156L/157L	106		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-167L	106		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-169L	92		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-188L	96		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-189L	88		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-202L	101		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-205L	92		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-206L	87		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-208L	99		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-209L	94		10 - 145	01/09/18 10:14	01/17/18 19:52	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	62		5 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-111L	86		10 - 145	01/09/18 10:14	01/17/18 19:52	5
PCB-178L	107		10 - 145	01/09/18 10:14	01/17/18 19:52	5

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**0.25**		0.0000020	0.0000050	mg/Kg			01/24/18 08:56	1

Client Sample ID: EB-1 (12292017)

Lab Sample ID: 680-147344-10

Date Collected: 12/29/17 13:00

Matrix: Water

Date Received: 12/29/17 14:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.73	U	200	0.73	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-2	0.54	U	200	0.54	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-3	0.53	U	200	0.53	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-4	7.6	U	200	7.6	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-5	6.4	U	200	6.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-6	6.7	U	200	6.7	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-7	6.4	U	200	6.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-8	6.5	U	200	6.5	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-9	6.6	U	200	6.6	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-10	5.2	U	200	5.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-11	6.4	U	200	6.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-12/13	6.4	U	400	6.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-14	5.6	U	200	5.6	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-15	6.4	U	200	6.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-16	1.9	U	200	1.9	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-17	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-18/30	1.2	U	400	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-19	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-20/28	0.83	U	400	0.83	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-21/33	0.79	U	400	0.79	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-22	0.86	U	200	0.86	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-23	0.80	U	200	0.80	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-24	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-25	0.80	U	200	0.80	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-26/29	0.80	U	400	0.80	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-27	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-31	0.76	U	200	0.76	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-32	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-34	0.83	U	200	0.83	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-35	0.84	U	200	0.84	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-36	0.78	U	200	0.78	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-37	0.87	U	200	0.87	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-38	0.86	U	200	0.86	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-39	0.76	U	200	0.76	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-40/71	0.64	U	400	0.64	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-41	0.75	U	200	0.75	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-42	0.70	U	200	0.70	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-43	0.77	U	200	0.77	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-44/47/65	**3.6**	**J B**	600	0.61	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-45	0.72	U	200	0.72	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-46	0.76	U	200	0.76	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-48	0.64	U	200	0.64	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-49/69	0.53	U	400	0.53	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-50/53	0.61	U	400	0.61	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-51	0.60	U	200	0.60	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-52	**2.8**	**J B**	200	0.65	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-54	0.76	U	200	0.76	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-55	0.80	U	200	0.80	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-56	0.83	U	200	0.83	pg/L		01/09/18 07:42	01/10/18 22:16	1

Client Sample ID: EB-1 (12292017)

Lab Sample ID: 680-147344-10

Date Collected: 12/29/17 13:00

Matrix: Water

Date Received: 12/29/17 14:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.79	U	200	0.79	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-58	0.77	U	200	0.77	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-59/62/75	0.47	U	600	0.47	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-60	0.79	U	200	0.79	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-61/70/74/76	**2.3**	**J B**	800	0.77	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-63	0.71	U	200	0.71	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-64	0.45	U	200	0.45	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-66	0.81	U	200	0.81	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-67	0.74	U	200	0.74	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-68	0.70	U	200	0.70	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-72	0.75	U	200	0.75	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-73	0.49	U	200	0.49	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-77	0.83	U	20	0.83	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-78	0.81	U	200	0.81	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-79	0.71	U	200	0.71	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-80	0.69	U	200	0.69	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-81	0.85	U	20	0.85	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-82	1.7	U	200	1.7	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-83	1.8	U	200	1.8	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-84	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-85/116/117	1.2	U	600	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-86/87/97/108/119/125	1.2	U	1200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-88/91	1.4	U	400	1.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-89	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-90/101/113	**4.7**	**J**	600	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-92	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-93/100	1.3	U	400	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-107/124	1.1	U	400	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-94	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-95	**2.7**	**J**	200	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-96	0.92	U	200	0.92	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-98/102	1.3	U	400	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-99	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-103	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-104	0.76	U	200	0.76	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-105	**2.3**	**J**	20	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-106	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-110/115	**6.2**	**J**	400	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-109	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-111	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-112	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-114	1.3	U	20	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-118	**4.7**	**J**	20	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-120	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-121	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-122	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-123	1.1	U	20	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-126	1.2	U	20	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-127	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1

Client Sample ID: EB-1 (12292017)

Date Collected: 12/29/17 13:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-10

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	1.2	U	400	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-129/138/163	**6.4**	**J**	600	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-130	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-131	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-132	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-133	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-134/143	1.5	U	400	1.5	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-135/151	1.4	U	400	1.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-136	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-137	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-139/140	1.3	U	400	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-141	1.5	U	200	1.5	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-142	1.6	U	200	1.6	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-144	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-145	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-146	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-147/149	**3.0**	**J**	400	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-148	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-150	0.94	U	200	0.94	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-152	0.97	U	200	0.97	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-153/168	**3.9**	**J**	400	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-154	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-155	0.90	U	200	0.90	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-156/157	1.1	U	40	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-158	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-159	0.75	U	200	0.75	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-160	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-161	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-162	0.72	U	200	0.72	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-164	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-165	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-167	0.67	U	20	0.67	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-169	0.72	U	20	0.72	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-170	0.52	U	200	0.52	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-171/173	0.53	U	400	0.53	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-172	0.52	U	200	0.52	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-174	**1.0**	**J**	200	0.56	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-175	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-176	0.96	U	200	0.96	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-177	0.52	U	200	0.52	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-178	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-179	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-180/193	**1.8**	**J B**	400	0.43	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-181	0.46	U	200	0.46	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-182	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-183	**1.2**	**J B**	200	0.40	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-184	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-185	0.49	U	200	0.49	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-186	1.0	U	200	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1

Client Sample ID: EB-1 (12292017)

Lab Sample ID: 680-147344-10

Date Collected: 12/29/17 13:00

Matrix: Water

Date Received: 12/29/17 14:00

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-188	1.3	U	200	1.3	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-189	0.76	U	20	0.76	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-190	0.38	U	200	0.38	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-191	0.38	U	200	0.38	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-192	0.40	U	200	0.40	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-194	0.88	U	200	0.88	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-195	0.93	U	200	0.93	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-196	0.98	U	200	0.98	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-197	0.69	U	200	0.69	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-198/199	1.0	U	400	1.0	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-200	0.84	U	200	0.84	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-201	0.75	U	200	0.75	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-202	0.92	U	200	0.92	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-203	0.98	U	200	0.98	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-204	0.78	U	200	0.78	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-205	0.66	U	200	0.66	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-206	1.4	U	200	1.4	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-207	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-208	1.2	U	200	1.2	pg/L		01/09/18 07:42	01/10/18 22:16	1
PCB-209	1.1	U	200	1.1	pg/L		01/09/18 07:42	01/10/18 22:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*56*		*5 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-3L	*69*		*5 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-4L	*71*		*5 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-15L	*85*		*5 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-19L	*87*		*5 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-37L	*80*		*5 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-54L	*64*		*5 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-77L	*92*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-81L	*90*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-104L	*82*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-105L	*96*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-114L	*78*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-118L	*76*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-123L	*90*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-126L	*92*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-155L	*82*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-156L/157L	*94*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-167L	*93*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-169L	*88*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-188L	*67*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-189L	*100*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-202L	*86*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-205L	*93*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-206L	*83*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-208L	*92*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-209L	*93*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*

Client Sample ID: EB-1 (12292017)

Lab Sample ID: 680-147344-10

Date Collected: 12/29/17 13:00

Matrix: Water

Date Received: 12/29/17 14:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*83*		*5 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-111L	*96*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*
PCB-178L	*103*		*10 - 145*	*01/09/18 07:42*	*01/10/18 22:16*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.24	U	10	0.24	pg/L		01/09/18 07:55	01/11/18 16:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*77*		*40 - 135*	*01/09/18 07:55*	*01/11/18 16:41*	*1*
13C-1,2,3,7,8-PeCDD	*85*		*40 - 135*	*01/09/18 07:55*	*01/11/18 16:41*	*1*
13C-1,2,3,6,7,8-HxCDD	*76*		*40 - 135*	*01/09/18 07:55*	*01/11/18 16:41*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*92*		*40 - 135*	*01/09/18 07:55*	*01/11/18 16:41*	*1*
13C-OCDD	*94*		*40 - 135*	*01/09/18 07:55*	*01/11/18 16:41*	*1*
13C-2,3,7,8-TCDF	*77*		*40 - 135*	*01/09/18 07:55*	*01/11/18 16:41*	*1*
13C-1,2,3,7,8-PeCDF	*80*		*40 - 135*	*01/09/18 07:55*	*01/11/18 16:41*	*1*
13C-1,2,3,4,7,8-HxCDF	*91*		*40 - 135*	*01/09/18 07:55*	*01/11/18 16:41*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*84*		*40 - 135*	*01/09/18 07:55*	*01/11/18 16:41*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**47**	**J**	200	20	pg/L			01/24/18 08:56	1

Client Sample ID: DUP-1 (12292017)

Date Collected: 12/29/17 00:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-11

Matrix: Solid
Percent Solids: 80.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000090	J	0.00051	0.0000057	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-2	0.000011	J	0.00051	0.0000048	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-3	0.000035	J	0.00051	0.0000053	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-4	0.000055	U	0.00051	0.000055	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-5	0.000026	U	0.00051	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-6	0.000074	J	0.00051	0.000027	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-7	0.000026	U	0.00051	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-8	0.00039	J	0.00051	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-9	0.000027	U	0.00051	0.000027	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-10	0.000039	U	0.00051	0.000039	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-11	0.000026	U	0.00051	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-12/13	0.000026	U	0.0010	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-14	0.000023	U	0.00051	0.000023	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-15	0.00016	J	0.00051	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-16	0.00025	J	0.00051	0.000016	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-17	0.00038	J	0.00051	0.000012	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-18/30	0.00069	J	0.0010	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-19	0.00014	J	0.00051	0.000018	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-20/28	0.0014	B	0.0010	0.000040	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-21/33	0.0021	B	0.0010	0.000037	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-22	0.00030	J	0.00051	0.000041	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-23	0.000038	U	0.00051	0.000038	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-24	0.0000095	U	0.00051	0.0000095	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-25	0.000051	J	0.00051	0.000038	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-26/29	0.00019	J	0.0010	0.000038	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-27	0.000041	J	0.00051	0.0000091	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-31	0.0014	B	0.00051	0.000036	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-32	0.00041	J	0.00051	0.0000087	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-34	0.000087	J	0.00051	0.000040	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-35	0.000040	U	0.00051	0.000040	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-36	0.000037	U	0.00051	0.000037	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-37	0.00060		0.00051	0.000037	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-38	0.000041	U	0.00051	0.000041	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-39	0.000036	U	0.00051	0.000036	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-40/71	0.0039	B	0.0010	0.000061	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-41	0.00014	J	0.00051	0.000071	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-42	0.0019	B	0.00051	0.000066	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-43	0.00018	J	0.00051	0.000072	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-44/47/65	0.021	B	0.0015	0.000057	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-45	0.00045	J B	0.00051	0.000068	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-46	0.00041	J	0.00051	0.000072	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-48	0.00068	B	0.00051	0.000061	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-49/69	0.014	B	0.0010	0.000050	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-50/53	0.0019	B	0.0010	0.000058	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-51	0.00060	B	0.00051	0.000057	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-52	0.062	E B	0.00051	0.000061	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-54	0.000086	J	0.00051	0.0000078	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-55	0.00025	U	0.00051	0.00025	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-56	0.0053	B	0.00051	0.00026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20

Client Sample ID: DUP-1 (12292017)

Date Collected: 12/29/17 00:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-11

Matrix: Solid
Percent Solids: 80.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.00025	U	0.00051	0.00025	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-58	0.00024	U	0.00051	0.00024	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-59/62/75	**0.00054**	**J**	0.0015	0.000045	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-60	**0.0021**		0.00051	0.00024	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-61/70/74/76	**0.064**	**B**	0.0020	0.00024	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-63	**0.00075**		0.00051	0.00022	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-64	**0.0066**	**B**	0.00051	0.000042	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-66	**0.019**	**B**	0.00051	0.00025	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-67	0.00023	U	0.00051	0.00023	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-68	**0.00027**	**J B**	0.00051	0.00022	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-72	**0.00059**		0.00051	0.00023	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-73	0.000046	U	0.00051	0.000046	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-77	**0.0022**	**G**	0.00024	0.00024	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-78	0.00025	U	0.00051	0.00025	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-79	**0.0011**		0.00051	0.00022	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-80	0.00021	U	0.00051	0.00021	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-81	0.00023	U G	0.00023	0.00023	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-82	**0.015**	**G B**	0.0021	0.0021	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-83	0.0023	U G	0.0023	0.0023	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-84	**0.030**	**G B**	0.0019	0.0019	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-85/116/117	**0.027**	**B**	0.0015	0.0015	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-86/87/97/108/119/125	**0.10**	**B**	0.0031	0.0015	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-88/91	**0.015**	**G B**	0.0017	0.0017	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-89	0.0018	U G	0.0018	0.0018	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-90/101/113	**0.16**	**E B**	0.0015	0.0015	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-92	**0.030**	**G B**	0.0018	0.0018	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-93/100	0.0017	U G	0.0017	0.0017	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-107/124	**0.0068**	**G**	0.0013	0.0013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-94	0.0018	U G	0.0018	0.0018	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-95	**0.096**	**E G B**	0.0017	0.0017	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-96	**0.00052**		0.00051	0.0000076	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-98/102	**0.0019**	**G**	0.0016	0.0016	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-99	**0.064**	**E G B**	0.0014	0.0014	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-103	0.0015	U G	0.0015	0.0015	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-104	**0.000010**	**J**	0.00051	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-105	**0.074**	**E G B**	0.0013	0.0013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-106	0.0014	U G	0.0014	0.0014	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-110/115	**0.20**	**E G B**	0.0013	0.0013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-109	**0.012**	**G B**	0.0013	0.0013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-111	0.0013	U G	0.0013	0.0013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-112	0.0014	U G	0.0014	0.0014	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-114	**0.0027**	**G**	0.0014	0.0014	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-118	**0.17**	**E G B**	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-120	0.0012	U G	0.0012	0.0012	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-121	0.0012	U G	0.0012	0.0012	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-122	0.0015	U G	0.0015	0.0015	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-123	**0.0022**	**G**	0.0014	0.0014	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-126	0.0014	U G	0.0014	0.0014	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-127	0.0014	U G	0.0014	0.0014	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20

Client Sample ID: DUP-1 (12292017)

Date Collected: 12/29/17 00:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-11

Matrix: Solid
Percent Solids: 80.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	0.039	B	0.0010	0.00085	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-129/138/163	0.23	E B	0.0015	0.00090	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-130	0.015	G B	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-131	0.0026	G	0.0010	0.0010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-132	0.062	E G B	0.0010	0.0010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-133	0.0023	G	0.0010	0.0010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-134/143	0.010	G B	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-135/151	0.041	B	0.0010	0.00096	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-136	0.016	G B	0.00071	0.00071	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-137	0.010	G B	0.00085	0.00085	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-139/140	0.0035		0.0010	0.00092	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-141	0.030	G B	0.0010	0.0010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-142	0.0011	U G	0.0011	0.0011	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-144	0.0060	G B	0.00092	0.00092	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-145	0.00069	U G	0.00069	0.00069	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-146	0.022	G B	0.00088	0.00088	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-147/149	0.11	B	0.0010	0.00093	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-148	0.00092	U G	0.00092	0.00092	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-150	0.00065	U G	0.00065	0.00065	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-152	0.00067	U G	0.00067	0.00067	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-153/168	0.14	E B	0.0010	0.00078	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-154	0.00083	U G	0.00083	0.00083	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-155	0.00065	U G	0.00065	0.00065	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-156/157	0.029	G B	0.00021	0.00021	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-158	0.023	G B	0.00071	0.00071	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-159	0.00043	J	0.00051	0.00015	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-160	0.00087	U G	0.00087	0.00087	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-161	0.00081	U G	0.00081	0.00081	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-162	0.00069		0.00051	0.00015	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-164	0.015	G B	0.00084	0.00084	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-165	0.00083	U G	0.00083	0.00083	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-167	0.0091	G B	0.00013	0.00013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-169	0.00015	U G	0.00015	0.00015	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-170	0.019	B	0.00051	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-171/173	0.0060	B	0.0010	0.000027	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-172	0.0027	B	0.00051	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-174	0.016	B	0.00051	0.000029	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-175	0.00069		0.00051	0.000014	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-176	0.0017		0.00051	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-177	0.0087	B	0.00051	0.000026	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-178	0.0025		0.00051	0.000015	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-179	0.0048	B	0.00051	0.000011	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-180/193	0.029	B	0.0010	0.000022	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-181	0.00041	J	0.00051	0.000024	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-182	0.00016	J	0.00051	0.000013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-183	0.0070	B	0.00051	0.000020	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-184	0.000019	J	0.00051	0.000011	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-185	0.0012		0.00051	0.000025	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-186	0.000011	U	0.00051	0.000011	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20

Client Sample ID: DUP-1 (12292017)

Date Collected: 12/29/17 00:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-11

Matrix: Solid
Percent Solids: 80.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	0.014	B	0.00051	0.000013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-188	0.000019	J	0.00051	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-189	0.00079		0.000051	0.000012	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-190	0.0032		0.00051	0.000019	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-191	0.00074		0.00051	0.000019	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-192	0.000020	U	0.00051	0.000020	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-194	0.0039		0.00051	0.0000098	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-195	0.0015		0.00051	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-196	0.0022		0.00051	0.000013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-197	0.00017	J	0.00051	0.0000088	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-198/199	0.0051		0.0010	0.000013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-200	0.00068		0.00051	0.000011	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-201	0.00061		0.00051	0.0000096	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-202	0.00090		0.00051	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-203	0.0034		0.00051	0.000013	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-204	0.000010	U	0.00051	0.000010	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-205	0.00025	J	0.00051	0.0000082	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-206	0.0025		0.00051	0.000012	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-207	0.00033	J	0.00051	0.0000088	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-208	0.00060		0.00051	0.0000098	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20
PCB-209	0.00023	J	0.00051	0.0000066	mg/Kg	☼	01/09/18 10:14	01/20/18 13:41	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*39*		*5 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-3L	*43*		*5 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-4L	*42*		*5 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-15L	*52*		*5 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-19L	*54*		*5 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-37L	*56*		*5 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-54L	*40*		*5 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-77L	*78*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-81L	*80*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-104L	*50*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-105L	*84*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-114L	*75*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-118L	*90*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-123L	*76*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-126L	*82*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-155L	*61*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-156L/157L	*80*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-167L	*76*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-169L	*74*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-188L	*93*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-189L	*92*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-202L	*94*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-205L	*85*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-206L	*82*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-208L	*91*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-209L	*93*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: DUP-1 (12292017)

Date Collected: 12/29/17 00:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-11

Matrix: Solid
Percent Solids: 80.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*52*		*5 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-111L	*76*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*
PCB-178L	*97*		*10 - 145*	*01/09/18 10:14*	*01/20/18 13:41*	*20*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**2.2**		0.0000020	0.0000050	mg/Kg			01/24/18 08:56	1

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-204-1A (12292017) — Lab Sample ID: 680-147344-1

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.00028**	**G F1 F2**	0.000024	0.000024	mg/Kg	0.0001	**0.000000028**	1668C
PCB-81	0.000025	U G	0.000025	0.000025	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.0090**	**G B F2**	0.00016	0.00016	mg/Kg	0.00003	**0.00000027**	1668C
PCB-114	**0.00030**	**G F2 F1**	0.00017	0.00017	mg/Kg	0.00003	**0.0000000090**	1668C
PCB-118	**0.022**	**G B F2**	0.00017	0.00017	mg/Kg	0.00003	**0.00000066**	1668C
PCB-123	**0.00024**	**G F1**	0.00017	0.00017	mg/Kg	0.00003	**0.0000000072**	1668C
PCB-126	0.00016	U G	0.00016	0.00016	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.0037**	**B F2**	0.000046	0.000024	mg/Kg	0.00003	**0.00000011**	1668C
PCB-167	**0.0011**	**B F2**	0.000023	0.000015	mg/Kg	0.00003	**0.000000033**	1668C
PCB-169	0.000016	U	0.000023	0.000016	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00011**	**F1**	0.000023	0.0000013	mg/Kg	0.00003	**0.0000000033**	1668C

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total PCB TEQ					mg/Kg		0.0000011	TEQ
Total TEQ					mg/Kg		0.0000011	TEQ

Client Sample ID: SB-204-2A (12292017) — Lab Sample ID: 680-147344-2

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.0045**	**G**	0.00042	0.00042	mg/Kg	0.0001	**0.00000045**	1668C
PCB-81	0.00040	U G	0.00040	0.00040	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.15**	**E G B**	0.0025	0.0025	mg/Kg	0.00003	**0.0000045**	1668C
PCB-114	**0.0066**	**G**	0.0027	0.0027	mg/Kg	0.00003	**0.00000020**	1668C
PCB-118	**0.32**	**E G B**	0.0021	0.0021	mg/Kg	0.00003	**0.0000096**	1668C
PCB-123	**0.0047**	**G**	0.0028	0.0028	mg/Kg	0.00003	**0.00000014**	1668C
PCB-126	0.0026	U G	0.0026	0.0026	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.069**	**E G B**	0.00044	0.00044	mg/Kg	0.00003	**0.0000021**	1668C
PCB-167	**0.020**	**G B**	0.00027	0.00027	mg/Kg	0.00003	**0.00000060**	1668C
PCB-169	0.00030	U G	0.00030	0.00030	mg/Kg	0.03	0.00	1668C
PCB-189	**0.0019**		0.000024	0.0000068	mg/Kg	0.00003	**0.000000057**	1668C

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	4.7		0.0000020	0.0000050	mg/Kg		0.000018	None

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-204-2A (12292017) (Continued) — Lab Sample ID: 680-147344-2

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total PCB TEQ					mg/Kg		0.000018	TEQ
Total TEQ					mg/Kg		0.000018	TEQ

Client Sample ID: SB-204-3A (12292017) — Lab Sample ID: 680-147344-3

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-77	**0.0087**	**G**	0.00084	0.00084	mg/Kg	0.0001	**0.00000087**	1668C
PCB-81	0.00081	U G	0.00081	0.00081	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.15**	**E G B**	0.0029	0.0029	mg/Kg	0.00003	**0.0000045**	1668C
PCB-114	**0.0069**	**G**	0.0030	0.0030	mg/Kg	0.00003	**0.00000021**	1668C
PCB-118	**0.33**	**E G B**	0.0024	0.0024	mg/Kg	0.00003	**0.0000099**	1668C
PCB-123	**0.0067**	**G**	0.0029	0.0029	mg/Kg	0.00003	**0.00000020**	1668C
PCB-126	0.0032	U G	0.0032	0.0032	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.066**	**E G B**	0.00045	0.00045	mg/Kg	0.00003	**0.0000020**	1668C
PCB-167	**0.020**	**G B**	0.00028	0.00028	mg/Kg	0.00003	**0.00000060**	1668C
PCB-169	0.00035	U G	0.00035	0.00035	mg/Kg	0.03	0.00	1668C
PCB-189	**0.0021**		0.000023	0.0000087	mg/Kg	0.00003	**0.000000063**	1668C
2,3,7,8-TCDD	0.0000030	U	0.0000030	0.0000030	mg/Kg	1	0.00	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Polychlorinated biphenyls, Total	6.5		0.0000020	0.0000050	mg/Kg		0.000018	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000031	TEQ
Total PCB TEQ					mg/Kg		0.000018	TEQ
Total TEQ					mg/Kg		0.000021	TEQ

Client Sample ID: SB-202-1A (12292017) — Lab Sample ID: 680-147344-5

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-77	**0.00019**	**G**	0.000018	0.000018	mg/Kg	0.0001	**0.000000019**	1668C
PCB-81	0.000017	U G	0.000017	0.000017	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.0072**	**G B**	0.00020	0.00020	mg/Kg	0.00003	**0.00000022**	1668C
PCB-114	**0.00026**	**G**	0.00020	0.00020	mg/Kg	0.00003	**0.0000000078**	1668C
PCB-118	**0.018**	**E G B**	0.00018	0.00018	mg/Kg	0.00003	**0.00000054**	1668C

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-202-1A (12292017) (Continued) — Lab Sample ID: 680-147344-5

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-123	**0.00029**	**G**	0.00019	0.00019	mg/Kg	0.00003	**0.0000000087**	1668C
PCB-126	0.00021	U G	0.00021	0.00021	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.0036**	**B**	0.000022	0.000022	mg/Kg	0.00003	**0.00000011**	1668C
PCB-167	**0.0011**	**G B**	0.000014	0.000014	mg/Kg	0.00003	**0.000000033**	1668C
PCB-169	0.000017	U G	0.000017	0.000017	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00011**		0.000011	0.00000079	mg/Kg	0.00003	**0.0000000033**	1668C

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total PCB TEQ					mg/Kg		0.00000094	TEQ
Total TEQ					mg/Kg		0.00000094	TEQ

Client Sample ID: EB-1 (12292017) — Lab Sample ID: 680-147344-10

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	0.83	U	20	0.83	pg/L	0.0001	0.00	1668C
PCB-81	0.85	U	20	0.85	pg/L	0.0003	0.00	1668C
PCB-105	**2.3**	**J**	20	1.1	pg/L	0.00003	**0.000069**	1668C
PCB-114	1.3	U	20	1.3	pg/L	0.00003	0.00	1668C
PCB-118	**4.7**	**J**	20	1.3	pg/L	0.00003	**0.00014**	1668C
PCB-123	1.1	U	20	1.1	pg/L	0.00003	0.00	1668C
PCB-126	1.2	U	20	1.2	pg/L	0.1	0.00	1668C
PCB-156/157	1.1	U	40	1.1	pg/L	0.00003	0.00	1668C
PCB-167	0.67	U	20	0.67	pg/L	0.00003	0.00	1668C
PCB-169	0.72	U	20	0.72	pg/L	0.03	0.00	1668C
PCB-189	0.76	U	20	0.76	pg/L	0.00003	0.00	1668C
2,3,7,8-TCDD	0.24	U	10	0.24	pg/L	1	0.00	8290A

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					pg/L		0.17	TEQ
Total PCB TEQ					pg/L		0.00021	TEQ
Total TEQ					pg/L		0.17	TEQ

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: DUP-1 (12292017) — Lab Sample ID: 680-147344-11

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.0022**	**G**	0.00024	0.00024	mg/Kg	0.0001	**0.00000022**	1668C
PCB-81	0.00023	U G	0.00023	0.00023	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.074**	**E G B**	0.0013	0.0013	mg/Kg	0.00003	**0.0000022**	1668C
PCB-114	**0.0027**	**G**	0.0014	0.0014	mg/Kg	0.00003	**).000000081**	1668C
PCB-118	**0.17**	**E G B**	0.0011	0.0011	mg/Kg	0.00003	**0.0000051**	1668C
PCB-123	**0.0022**	**G**	0.0014	0.0014	mg/Kg	0.00003	**).000000066**	1668C
PCB-126	0.0014	U G	0.0014	0.0014	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.029**	**G B**	0.00021	0.00021	mg/Kg	0.00003	**0.00000087**	1668C
PCB-167	**0.0091**	**G B**	0.00013	0.00013	mg/Kg	0.00003	**0.00000027**	1668C
PCB-169	0.00015	U G	0.00015	0.00015	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00079**		0.000051	0.000012	mg/Kg	0.00003	**).000000024**	1668C

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	2.2		0.0000020	0.0000050	mg/Kg		0.0000088	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total PCB TEQ					mg/Kg		0.0000088	TEQ
Total TEQ					mg/Kg		0.0000088	TEQ

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	PCB28L (5-145)	PCB111L (10-145)	PCB178L (10-145)
680-147344-1	SB-204-1A (12292017)	49	70	94
680-147344-1 MS	SB-204-1A (12292017)	47	78	93
680-147344-1 MSD	SB-204-1A (12292017)	49	76	92
680-147344-2	SB-204-2A (12292017)	50	77	84
680-147344-3	SB-204-3A (12292017)	56	77	80
680-147344-5	SB-202-1A (12292017)	62	86	107
680-147344-11	DUP-1 (12292017)	52	76	97

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	PCB28L (5-145)	PCB111L (10-145)	PCB178L (10-145)
680-147344-10	EB-1 (12292017)	83	96	103

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB1L (5-145)	PCB3L (5-145)	PCB4L (5-145)	PCB15L (5-145)	PCB19L (5-145)	PCB37L (5-145)	PCB54L (5-145)	PCB77L (10-145)
680-147344-1	SB-204-1A (12292017)	45	47	45	48	47	58	38	73
680-147344-1 MS	SB-204-1A (12292017)	44	45	44	48	46	59	34	80
680-147344-1 MSD	SB-204-1A (12292017)	47	48	49	50	48	55	32 q	80
680-147344-2	SB-204-2A (12292017)	38	46	47	55	53	65	40	85
680-147344-3	SB-204-3A (12292017)	47	53	53	69	62	66	41	83
680-147344-5	SB-202-1A (12292017)	46	50	49	59	53	73	50	92
680-147344-11	DUP-1 (12292017)	39	43	42	52	54	56	40	78

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB81L (10-145)	PCB104L (10-145)	PCB105L (10-145)	P114L (10-145)	PCB118L (10-145)	PCB123L (10-145)	PCB126L (10-145)	PCB155L (10-145)
680-147344-1	SB-204-1A (12292017)	72	50	78	73	74	73	84	58
680-147344-1 MS	SB-204-1A (12292017)	80	46	83	78	82	77	91	57
680-147344-1 MSD	SB-204-1A (12292017)	80	50	87	79	82	78	88	61
680-147344-2	SB-204-2A (12292017)	93	52	89	78	104	79	90	56
680-147344-3	SB-204-3A (12292017)	89	59	91	80	105	83	85	57
680-147344-5	SB-202-1A (12292017)	94	62	92	89	92	91	91	74
680-147344-11	DUP-1 (12292017)	80	50	84	75	90	76	82	61

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	B-156L/15 (10-145)	PCB167L (10-145)	PCB169L (10-145)	PCB188L (10-145)	PCB189L (10-145)	PCB202L (10-145)	PCB205L (10-145)	PCB206L (10-145)
680-147344-1	SB-204-1A (12292017)	99	98	91	71	88	86	90	83
680-147344-1 MS	SB-204-1A (12292017)	78	79	74	90	94	86	93	83
680-147344-1 MSD	SB-204-1A (12292017)	80	81	75	83	88	83	92	82
680-147344-2	SB-204-2A (12292017)	72	72	69	97	98	98	99	90
680-147344-3	SB-204-3A (12292017)	72	69	58	103	98	99	102	100
680-147344-5	SB-202-1A (12292017)	106	106	92	96	88	101	92	87
680-147344-11	DUP-1 (12292017)	80	76	74	93	92	94	85	82

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PCB208L (10-145)	PCB209L (10-145)
680-147344-1	SB-204-1A (12292017)	89	89
680-147344-1 MS	SB-204-1A (12292017)	94	92
680-147344-1 MSD	SB-204-1A (12292017)	93	90
680-147344-2	SB-204-2A (12292017)	105	99
680-147344-3	SB-204-3A (12292017)	97	97
680-147344-5	SB-202-1A (12292017)	99	94
680-147344-11	DUP-1 (12292017)	91	93

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L

PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(10-145)
680-147344-10	EB-1 (12292017)	56	69	71	85	87	80	64	92

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	P114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-147344-10	EB-1 (12292017)	90	82	96	78	76	90	92	82

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		B-156L/15	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L	PCB205L	PCB206L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-147344-10	EB-1 (12292017)	94	93	88	67	100	86	93	83

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PCB208L	PCB209L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)
680-147344-10	EB-1 (12292017)	92	93

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB-156L/157L = PCB-156L/157L

PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HpCDD (40-135)	HpCDF (40-135)	HxCDF (40-135)	HxDD (40-135)	PeCDD (40-135)	PeCDF (40-135)	TCDD (40-135)	TCDF (40-135)
680-147344-3	SB-204-3A (12292017)	66	67	63	65	61	66	55	69
680-147344-3 - RA	SB-204-3A (12292017)								72

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OCDD (40-135)							
680-147344-3	SB-204-3A (12292017)	70							
680-147344-3 - RA	SB-204-3A (12292017)								

Surrogate Legend

HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HxDD = 13C-1,2,3,6,7,8-HxCDD
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF = 13C-1,2,3,7,8-PeCDF
TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
OCDD = 13C-OCDD

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCDD (40-135)	PeCDD (40-135)	HxDD (40-135)	HpCDD (40-135)	OCDD (40-135)	TCDF (40-135)	PeCDF (40-135)	HxCDF (40-135)
680-147344-10	EB-1 (12292017)	77	85	76	92	94	77	80	91

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	HpCDF (40-135)							
680-147344-10	EB-1 (12292017)	84							

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
PeCDD = 13C-1,2,3,7,8-PeCDD
HxDD = 13C-1,2,3,6,7,8-HxCDD
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
OCDD = 13C-OCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDF = 13C-1,2,3,7,8-PeCDF

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: 680-147344-1 MS
Matrix: Solid
Analysis Batch: 204748

Client Sample ID: SB-204-1A (12292017)
Prep Type: Total/NA
Prep Batch: 203179

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.0000037	J	0.000228	0.000238		mg/Kg	☼	103	60 - 135
PCB-3	0.0000039	J	0.000228	0.000250		mg/Kg	☼	108	60 - 135
PCB-4	0.000011	U	0.000228	0.000257		mg/Kg	☼	113	60 - 135
PCB-15	0.000014	J	0.000228	0.000286		mg/Kg	☼	119	60 - 135
PCB-19	0.0000083	J	0.000228	0.000268		mg/Kg	☼	114	60 - 135
PCB-54	0.0000015	U	0.000228	0.000242	q	mg/Kg	☼	106	60 - 135
PCB-77	0.00028	G F1 F2	0.000228	0.00151	G F1	mg/Kg	☼	543	60 - 135
PCB-81	0.000025	U G	0.000228	0.000278	G	mg/Kg	☼	122	60 - 135
PCB-104	0.0000016	U	0.000228	0.000274		mg/Kg	☼	120	60 - 135
PCB-105	0.0090	G B F2	0.000228	0.0369	E G 4	mg/Kg	☼	12252	60 - 135
PCB-114	0.00030	G F2 F1	0.000228	0.00219	G	mg/Kg	☼	NC	60 - 135
PCB-118	0.022	G B F2	0.000228	0.0904	E G 4	mg/Kg	☼	29899	60 - 135
PCB-123	0.00024	G F1	0.000228	0.00113	G	mg/Kg	☼	NC	60 - 135
PCB-126	0.00016	U G	0.000228	0.000675	G	mg/Kg	☼	NC	60 - 135
PCB-155	0.000094	U	0.000228	0.00036	U G	mg/Kg	☼	NC	60 - 135
PCB-156/157	0.0037	B F2	0.000455	0.0164	G 4	mg/Kg	☼	2790	60 - 135
PCB-167	0.0011	B F2	0.000228	0.00490	G 4	mg/Kg	☼	1661	60 - 135
PCB-169	0.000016	U	0.000228	0.000243	G	mg/Kg	☼	107	60 - 135
PCB-188	0.0000034	J	0.000228	0.000245		mg/Kg	☼	106	60 - 135
PCB-189	0.00011	F1	0.000228	0.000580	F1	mg/Kg	☼	208	60 - 135
PCB-202	0.00012	J F1	0.000228	0.000594	F1	mg/Kg	☼	207	60 - 135
PCB-205	0.000031	J	0.000228	0.000317		mg/Kg	☼	126	60 - 135
PCB-206	0.00028	F1	0.000228	0.000936	F1	mg/Kg	☼	286	60 - 135
PCB-208	0.000074	J F1	0.000228	0.000441	F1	mg/Kg	☼	161	60 - 135
PCB-209	0.000031	J	0.000228	0.000308		mg/Kg	☼	121	60 - 135

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-1L	*44*		*5 - 145*
PCB-3L	*45*		*5 - 145*
PCB-4L	*44*		*5 - 145*
PCB-15L	*48*		*5 - 145*
PCB-19L	*46*		*5 - 145*
PCB-37L	*59*		*5 - 145*
PCB-54L	*34*		*5 - 145*
PCB-77L	*80*		*10 - 145*
PCB-81L	*80*		*10 - 145*
PCB-104L	*46*		*10 - 145*
PCB-105L	*83*		*10 - 145*
PCB-114L	*78*		*10 - 145*
PCB-118L	*82*		*10 - 145*
PCB-123L	*77*		*10 - 145*
PCB-126L	*91*		*10 - 145*
PCB-155L	*57*		*10 - 145*
PCB-156L/157L	*78*		*10 - 145*
PCB-167L	*79*		*10 - 145*
PCB-169L	*74*		*10 - 145*
PCB-188L	*90*		*10 - 145*
PCB-189L	*94*		*10 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: 680-147344-1 MS
Matrix: Solid
Analysis Batch: 204748

Client Sample ID: SB-204-1A (12292017)
Prep Type: Total/NA
Prep Batch: 203179

Isotope Dilution	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-202L	*86*		*10 - 145*
PCB-205L	*93*		*10 - 145*
PCB-206L	*83*		*10 - 145*
PCB-208L	*94*		*10 - 145*
PCB-209L	*92*		*10 - 145*

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
PCB-28L	*47*		*5 - 145*
PCB-111L	*78*		*10 - 145*
PCB-178L	*93*		*10 - 145*

Lab Sample ID: 680-147344-1 MSD
Matrix: Solid
Analysis Batch: 204748

Client Sample ID: SB-204-1A (12292017)
Prep Type: Total/NA
Prep Batch: 203179

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1	0.0000037	J	0.000231	0.000246		mg/Kg	☼	105	60 - 135	3	50
PCB-3	0.0000039	J	0.000231	0.000254		mg/Kg	☼	108	60 - 135	1	50
PCB-4	0.000011	U	0.000231	0.000248		mg/Kg	☼	107	60 - 135	4	50
PCB-15	0.000014	J	0.000231	0.000270		mg/Kg	☼	111	60 - 135	6	50
PCB-19	0.0000083	J	0.000231	0.000278		mg/Kg	☼	117	60 - 135	4	50
PCB-54	0.0000015	U	0.000231	0.000284		mg/Kg	☼	123	60 - 135	16	50
PCB-77	0.00028	G F1 F2	0.000231	0.000680	G F1 F2	mg/Kg	☼	174	60 - 135	76	50
PCB-81	0.000025	U G	0.000231	0.000259	G	mg/Kg	☼	112	60 - 135	7	50
PCB-104	0.0000016	U	0.000231	0.000292		mg/Kg	☼	126	60 - 135	6	50
PCB-105	0.0090	G B F2	0.000231	0.0166	G 4 F2	mg/Kg	☼	3292	60 - 135	76	50
PCB-114	0.00030	G F2 F1	0.000231	0.00111	G F1 F2	mg/Kg	☼	347	60 - 135	66	50
PCB-118	0.022	G B F2	0.000231	0.0420	E G 4 F2	mg/Kg	☼	8501	60 - 135	73	50
PCB-123	0.00024	G F1	0.000231	0.000942	G F1	mg/Kg	☼	306	60 - 135	18	50
PCB-126	0.00016	U G	0.000231	0.000453	G	mg/Kg	☼	NC	60 - 135	39	50
PCB-155	0.000094	U	0.000231	0.000272		mg/Kg	☼	118	60 - 135	NC	50
PCB-156/157	0.0037	B F2	0.000462	0.00835	G 4 F2	mg/Kg	☼	1011	60 - 135	65	50
PCB-167	0.0011	B F2	0.000231	0.00259	G 4 F2	mg/Kg	☼	638	60 - 135	62	50
PCB-169	0.000016	U	0.000231	0.000251	G	mg/Kg	☼	109	60 - 135	3	50
PCB-188	0.0000034	J	0.000231	0.000248		mg/Kg	☼	106	60 - 135	1	50
PCB-189	0.00011	F1	0.000231	0.000424	F1	mg/Kg	☼	137	60 - 135	31	50
PCB-202	0.00012	J F1	0.000231	0.000529	F1	mg/Kg	☼	175	60 - 135	12	50
PCB-205	0.000031	J	0.000231	0.000288		mg/Kg	☼	111	60 - 135	10	50
PCB-206	0.00028	F1	0.000231	0.000875	F1	mg/Kg	☼	255	60 - 135	7	50
PCB-208	0.000074	J F1	0.000231	0.000412	F1	mg/Kg	☼	146	60 - 135	7	50
PCB-209	0.000031	J	0.000231	0.000296		mg/Kg	☼	115	60 - 135	4	50

Isotope Dilution	*MSD %Recovery*	*MSD Qualifier*	*Limits*
PCB-1L	*47*		*5 - 145*
PCB-3L	*48*		*5 - 145*
PCB-4L	*49*		*5 - 145*
PCB-15L	*50*		*5 - 145*
PCB-19L	*48*		*5 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: 680-147344-1 MSD
Matrix: Solid
Analysis Batch: 204748

Client Sample ID: SB-204-1A (12292017)
Prep Type: Total/NA
Prep Batch: 203179

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
PCB-37L	55		5 - 145
PCB-54L	32	q	5 - 145
PCB-77L	80		10 - 145
PCB-81L	80		10 - 145
PCB-104L	50		10 - 145
PCB-105L	87		10 - 145
PCB-114L	79		10 - 145
PCB-118L	82		10 - 145
PCB-123L	78		10 - 145
PCB-126L	88		10 - 145
PCB-155L	61		10 - 145
PCB-156L/157L	80		10 - 145
PCB-167L	81		10 - 145
PCB-169L	75		10 - 145
PCB-188L	83		10 - 145
PCB-189L	88		10 - 145
PCB-202L	83		10 - 145
PCB-205L	92		10 - 145
PCB-206L	82		10 - 145
PCB-208L	93		10 - 145
PCB-209L	90		10 - 145

Surrogate	MSD %Recovery	MSD Qualifier	Limits
PCB-28L	49		5 - 145
PCB-111L	76		10 - 145
PCB-178L	92		10 - 145

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Specialty Organics

Prep Batch: 203048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-3	SB-204-3A (12292017)	Total/NA	Solid	8290	
680-147344-3 - RA	SB-204-3A (12292017)	Total/NA	Solid	8290	

Prep Batch: 203109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-10	EB-1 (12292017)	Total/NA	Water	HRMS-Sep	

Prep Batch: 203119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-10	EB-1 (12292017)	Total/NA	Water	8290	

Prep Batch: 203179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-1	SB-204-1A (12292017)	Total/NA	Solid	HRMS-Sox	
680-147344-2	SB-204-2A (12292017)	Total/NA	Solid	HRMS-Sox	
680-147344-3	SB-204-3A (12292017)	Total/NA	Solid	HRMS-Sox	
680-147344-5	SB-202-1A (12292017)	Total/NA	Solid	HRMS-Sox	
680-147344-11	DUP-1 (12292017)	Total/NA	Solid	HRMS-Sox	
680-147344-1 MS	SB-204-1A (12292017)	Total/NA	Solid	HRMS-Sox	
680-147344-1 MSD	SB-204-1A (12292017)	Total/NA	Solid	HRMS-Sox	

Analysis Batch: 203414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-10	EB-1 (12292017)	Total/NA	Water	1668C	203109

Analysis Batch: 203539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-10	EB-1 (12292017)	Total/NA	Water	8290A	203119

Analysis Batch: 203720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-3	SB-204-3A (12292017)	Total/NA	Solid	8290A	203048

Analysis Batch: 203728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-3 - RA	SB-204-3A (12292017)	Total/NA	Solid	8290A	203048

Analysis Batch: 204317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-1	SB-204-1A (12292017)	Total/NA	Solid	1668C	203179
680-147344-5	SB-202-1A (12292017)	Total/NA	Solid	1668C	203179

Analysis Batch: 204748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-2	SB-204-2A (12292017)	Total/NA	Solid	1668C	203179
680-147344-3	SB-204-3A (12292017)	Total/NA	Solid	1668C	203179
680-147344-11	DUP-1 (12292017)	Total/NA	Solid	1668C	203179
680-147344-1 MS	SB-204-1A (12292017)	Total/NA	Solid	1668C	203179
680-147344-1 MSD	SB-204-1A (12292017)	Total/NA	Solid	1668C	203179

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Specialty Organics (Continued)

Analysis Batch: 205308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-1	SB-204-1A (12292017)	Total/NA	Solid	None	
680-147344-2	SB-204-2A (12292017)	Total/NA	Solid	None	
680-147344-3	SB-204-3A (12292017)	Total/NA	Solid	None	
680-147344-5	SB-202-1A (12292017)	Total/NA	Solid	None	
680-147344-10	EB-1 (12292017)	Total/NA	Water	None	
680-147344-11	DUP-1 (12292017)	Total/NA	Solid	None	

General Chemistry

Analysis Batch: 202767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-3	SB-204-3A (12292017)	Total/NA	Solid	D 2216	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-204-1A (12292017)
Date Collected: 12/29/17 12:10
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			205308	01/24/18 08:56	SHK	TAL SAC

Client Sample ID: SB-204-1A (12292017)
Date Collected: 12/29/17 12:10
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-1
Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			10.36 g	20.0 uL	203179	01/09/18 10:14	DXD	TAL SAC
Total/NA	Analysis	1668C		10			204317	01/17/18 21:07	KSS	TAL SAC

Client Sample ID: SB-204-2A (12292017)
Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			205308	01/24/18 08:56	SHK	TAL SAC

Client Sample ID: SB-204-2A (12292017)
Date Collected: 12/29/17 12:20
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-2
Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			10.09 g	20.0 uL	203179	01/09/18 10:14	DXD	TAL SAC
Total/NA	Analysis	1668C		10			204748	01/20/18 11:11	SMA	TAL SAC

Client Sample ID: SB-204-3A (12292017)
Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			205308	01/24/18 08:56	SHK	TAL SAC
Total/NA	Analysis	D 2216		1			202767	01/05/18 13:17	SSS	TAL SAC

Client Sample ID: SB-204-3A (12292017)
Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-3
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			9.87 g	20.0 uL	203179	01/09/18 10:14	DXD	TAL SAC
Total/NA	Analysis	1668C		10			204748	01/20/18 12:26	SMA	TAL SAC
Total/NA	Prep	8290			10.23 g	20.00 uL	203048	01/08/18 14:08	ADN	TAL SAC
Total/NA	Analysis	8290A		1			203720	01/12/18 13:05	AS	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: SB-204-3A (12292017)

Lab Sample ID: 680-147344-3
Date Collected: 12/29/17 12:00
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290	RA		10.23 g	20.00 uL	203048	01/08/18 14:08	ADN	TAL SAC
Total/NA	Analysis	8290A	RA	1			203728	01/12/18 13:31	AS	TAL SAC

Client Sample ID: SB-202-1A (12292017)

Lab Sample ID: 680-147344-5
Date Collected: 12/29/17 11:05
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			205308	01/24/18 08:56	SHK	TAL SAC

Client Sample ID: SB-202-1A (12292017)

Lab Sample ID: 680-147344-5
Date Collected: 12/29/17 11:05
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			10.44 g	20.0 uL	203179	01/09/18 10:14	DXD	TAL SAC
Total/NA	Analysis	1668C		5			204317	01/17/18 19:52	KSS	TAL SAC

Client Sample ID: EB-1 (12292017)

Lab Sample ID: 680-147344-10
Date Collected: 12/29/17 13:00
Matrix: Water
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sep			999 mL	20.0 uL	203109	01/09/18 07:42	DXD	TAL SAC
Total/NA	Analysis	1668C		1			203414	01/10/18 22:16	KSS	TAL SAC
Total/NA	Prep	8290			989.1 mL	20.0 uL	203119	01/09/18 07:55	DXD	TAL SAC
Total/NA	Analysis	8290A		1			203539	01/11/18 16:41	AS	TAL SAC
Total/NA	Analysis	None		1			205308	01/24/18 08:56	SHK	TAL SAC

Client Sample ID: DUP-1 (12292017)

Lab Sample ID: 680-147344-11
Date Collected: 12/29/17 00:00
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			205308	01/24/18 08:56	SHK	TAL SAC

Client Sample ID: DUP-1 (12292017)

Lab Sample ID: 680-147344-11
Date Collected: 12/29/17 00:00
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			9.76 g	20.0 uL	203179	01/09/18 10:14	DXD	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Client Sample ID: DUP-1 (12292017)

Date Collected: 12/29/17 00:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-11

Matrix: Solid
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	1668C		20			204748	01/20/18 13:41	SMA	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220208

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: SEE PAGE 1 OF 2	Site Contact: 1 OF 2	Date: 12/29/17	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1 OF 2	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PCB Aroclor 1254/8082	Total PCB (1668) PER TEQ	Dioxins/Furans (8290) for TEQ	1,4-Dioxane (8270D)	VOCs (8260D)	Sample Specific Notes:
SB-204-1B (122917)	12/29/17	1155	G	So	2			✓	✓				HOLD SAMPLE
SB-204-2B (122917)	12/29/17	1200	G	So	2			✓	✓				HOLD SAMPLE
SB-204-3B (122917)	12/29/17	1215	G	So	2				✓	✓			HOLD SAMPLE
SB-202-1B (122917)	12/29/17	1045	G	So	2			✓	✓				HOLD SAMPLE
DS-9-2B (122917)	12/29/17	1115	G	So	1						✓		HOLD SAMPLE
EX-21-1B (122917)	12/29/17	1245	G	So	1						✓		HOLD SAMPLE
SB-128-1B (122917)	12/29/17	1010	G	So	1						✓		HOLD SAMPLE
SB-159-3B (122917)	12/29/17	1020	G	So	1						✓		HOLD SAMPLE
TMW-20 (122917)	12/29/17	0920	G	WT	6			✓	✓	✓			
EB-1 (122817)	12/28/17	1600	G	WT	3							✓	
								1	1	1	1	2	

680-147344 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 11.7/7.9/17.6/11.9 CCF-005) ~~11.5~~ 11.2 / 4.9/7.1/11.4

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Mary Gilly	ARCADIS	12/29/17 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Jared Edwards	Company: TAL	Date/Time: 12/29/17 1400

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220209

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact			
Company Name: ARCADIS	Project Manager: ANDY DAVIS	Site Contact: JEN SWIFT	Date: 12/29/17
Address: 10 PATEWOOD DR. STE-375	Tel/Fax: 864.987.3900	Lab Contact: AMY RASMUSSEN	Carrier:
City/State/Zip: GREENVILLE, SC 29615	Analysis Turnaround Time		
Phone: 864-987-3900	☐ CALENDAR DAYS ☐ WORKING DAYS		
Fax:	TAT if different from Below STANDARD		
Project Name: ASHLAND SAVANNAH	☐ 2 weeks		
Site: ASHLAND	☐ 1 week		
PO # OHO1000.6A61	☐ 2 days		
	☐ 1 day		

COC No: 1 of 2 COCs

Sampler:

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	PCB Aroclor 1254 (8082)	TOC, LPCBs (1668) 8082, TEO	Dioxins/Furans (8290)	1,4-Dichlorobenzene 8270D	Sample Specific Notes:
SB-204-1A (122917)	12/29/17	1210	G	SO	6		✓	✓	✓			MS/MSD
SB-204-2A (122917)	12/29/17	1220	G	SO	2			✓	✓			
SB-204-3A (122917)	12/29/17	1200	G	SO	2				✓	✓		
SB-137-1A (122917)	12/29/17	1050	G	SO	1			✓				
SB-202-1A (122917)	12/29/17	1105	G	SO	2			✓	✓			
DS-9-2A (122917)	12/29/17	1120	G	SO	3		✓				✓	MS/MSD
EX-21-1A (122917)	12/29/17	1140	G	SO	1						✓	
SB-128-1A (122917)	12/29/17	1000	G	SO	1						✓	
SB-159-3A (122917)	12/29/17	1025	G	SO	1						✓	
EB-1 (122917)	12/29/17	1300	G	WT	8			✓	✓	✓	✓	
DUP-1 (122917)	12/29/17	–	G	SO	2			✓	✓			
DUP-2 (122917)	12/29/17	–	G	SO	1						✓	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								1	1	1	1	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 11.7/7.4/7.6/11.9(<0.5)/~~7.5~~ 7.2/6.9/7.1/11.4

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Mary Ebel	ARCADIS	12/29/17 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[illegible]		12/29/17 1400

TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Fax (916) 372-1059

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 320-110756.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147344-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 1/17/2018			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
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)	8081B_8082A/3520C Aroclor 1254	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TMW-20 (12292017) (680-147344-21)	12/29/17	09:20 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tracy A. Tarpen	1/29/18 1630	TA-SAC		01/30/2018 9:05	TA Savannah

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7°C / 1.0°C

Ver: 09/20/2016

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-503344.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147344-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 1/17/2018			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sox_P Full List (209 Comb/Coel)	Total_PCB_Cong	Total_TEQ	8290A/8290_P_Sox 17 Isomers & Totals	Moisture/ (MOD) Local Method	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	8290A/8290_P_Sep 17 Isomers & Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
SB-204-1A (12292017) (680-147344-1)	12/29/17	12:10 Eastern		Solid			X	X	X					1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-2A (12292017) (680-147344-2)	12/29/17	12:20 Eastern		Solid			X	X	X					1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-3A (12292017) (680-147344-3)	12/29/17	12:00 Eastern		Solid			X	X	X	X	X			2	run as straight as possible, Caution, may have high levels, hold glassware
SB-202-1A (12292017) (680-147344-5)	12/29/17	11:05 Eastern		Solid			X	X	X					1	run as straight as possible, Caution, may have high levels, hold glassware
EB-1 (12292017) (680-147344-10)	12/29/17	13:00 Eastern		Water				X	X			X	X	4	, run as straight as possible
DUP-1 (12292017) (680-147344-11)	12/29/17	Eastern		Solid			X	X	X					1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-1B (12292017) (680-147344-13)	12/29/17	11:55 Eastern		Solid			X	X	X					1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-3B (12292017) (680-147344-15)	12/29/17	12:15 Eastern		Solid			X	X	X	X	X			2	run as straight as possible, Caution, may have high levels, hold glassware
SB-202-1B (12292017) (680-147344-16)	12/29/17	10:45 Eastern		Solid			X	X	X					1	run as straight as possible, Caution, may have high levels, hold glassware

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 1/2/18 1800	Company	Received by:	Date/Time: 1/3/18 1010	Company TA-Sac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 17 24		

Ver: 09/20/2016

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-503344.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 2 of 2
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147344-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 1/17/2018			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sox_P Full List (209 Comb/Coel)	Total_PCB_Cong	Total_TEQ	8290A/8290_P_Sox 17 Isomers & Totals	Moisture/ (MOD) Local Method	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	8290A/8290_P_Sep 17 Isomers & Totals	Total Number of containers	Special Instructions/Note:
			Preservation Code:												
TMW-20 (12292017) (680-147344-21)	12/29/17	09:20 Eastern		Water				X	X			X	X	4	, run as straight as possible

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. I

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Jessica Pedersen	Date/Time: 1/2/18 1800	Company: TASA	Received by: [illegible]	Date/Time: 1/3/18 1010	Company: TA Sac
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1.7 2.4		

Ver: 09/20/2016

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-503346.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147344-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 1/17/2018			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sox_P Full List (209 Comb/Coel)	Total_PCB_Cong	Total_TEQ	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
SB-204-1A (12292017) (680-147344-1MS)	12/29/17	12:10 Eastern	MS	Solid			X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-1A (12292017) (680-147344-1MSD)	12/29/17	12:10 Eastern	MSD	Solid			X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware
SB-204-2B (12292017) (680-147344-14)	12/29/17	12:00 Eastern		Solid			X	X	X	1	run as straight as possible, Caution, may have high levels, hold glassware

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:		
Relinquished by: [signature]	Date/Time: 12/18 1500	Company: DASA	Received by: [signature]	Date/Time: 12/18/18 1010	Company: TA Sav	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 1.7 2.4			

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147344-2

Login Number: 147344
List Number: 1
Creator: Anderson, Jordan K

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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.	False	Received same day of collection; chilling process has begun.
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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147344-2

Login Number: 147344
List Number: 2
Creator: Her, David A

List Source: TestAmerica Sacramento
List Creation: 01/03/18 11:16 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	414862/414861
Sample custody seals, if present, are intact.	N/A	
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	1.7 C 2.4 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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-2

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	10-31-18
L-A-B	DoD ELAP		L2468	01-20-21
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-14-18
Michigan	State Program	5	9947	01-31-18 *
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-18
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-147344-4
Client Project/Site: Hercules Savannah / Savannah Resins Plan

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/7/2018 3:35:47 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-147344-4

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-147344-4

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 12/29/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 6.9º C, 7.1º C, 11.2º C and 11.4º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL
Sample TMW-20 (12292017) (680-147344-21) was analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW-846 Method 8270D. The samples were prepared on 01/31/2018 and analyzed on 02/05/2018.

The following sample(s) was prepared outside of holding time due to the sample being logged after hiold time expired.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-147344-21	TMW-20 (12292017)	Water	12/29/17 09:20	12/29/17 14:00

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-4

Method	Method Description	Protocol	Laboratory
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	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 Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-4

Client Sample ID: TMW-20 (12292017) **Lab Sample ID: 680-147344-21**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-4

Client Sample ID: TMW-20 (12292017)

Lab Sample ID: 680-147344-21

Date Collected: 12/29/17 09:20

Matrix: Water

Date Received: 12/29/17 14:00

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.10	U H	1.0	0.10	ug/L		01/31/18 14:19	02/05/18 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*31 - 107*	*01/31/18 14:19*	*02/05/18 21:41*	*1*
2-Fluorophenol (Surr)	*46*		*18 - 112*	*01/31/18 14:19*	*02/05/18 21:41*	*1*
Nitrobenzene-d5 (Surr)	*54*		*37 - 103*	*01/31/18 14:19*	*02/05/18 21:41*	*1*
Phenol-d5 (Surr)	*49*		*20 - 113*	*01/31/18 14:19*	*02/05/18 21:41*	*1*
Terphenyl-d14 (Surr)	*36*		*22 - 121*	*01/31/18 14:19*	*02/05/18 21:41*	*1*
2,4,6-Tribromophenol (Surr)	*75*		*39 - 133*	*01/31/18 14:19*	*02/05/18 21:41*	*1*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-4

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(31-107)	(18-112)	(37-103)	(20-113)	(22-121)	(39-133)
680-147344-21	TMW-20 (12292017)	59	46	54	49	36	75
680-147344-21 MS	TMW-20 (12292017)	69	56	65	57	63	96
680-147344-21 MSD	TMW-20 (12292017)	62	50	57	54	59	82
LCS 680-511030/3-A	Lab Control Sample	65	56	61	59	68	82
MB 680-511030/2-A	Method Blank	74	58	71	57	77	88

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-4

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-511030/2-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 511505 — **Prep Batch: 511030**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		01/31/18 14:19	02/05/18 20:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*31 - 107*	*01/31/18 14:19*	*02/05/18 20:02*	*1*
2-Fluorophenol (Surr)	*58*		*18 - 112*	*01/31/18 14:19*	*02/05/18 20:02*	*1*
Nitrobenzene-d5 (Surr)	*71*		*37 - 103*	*01/31/18 14:19*	*02/05/18 20:02*	*1*
Phenol-d5 (Surr)	*57*		*20 - 113*	*01/31/18 14:19*	*02/05/18 20:02*	*1*
Terphenyl-d14 (Surr)	*77*		*22 - 121*	*01/31/18 14:19*	*02/05/18 20:02*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*39 - 133*	*01/31/18 14:19*	*02/05/18 20:02*	*1*

Lab Sample ID: LCS 680-511030/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 511505 — **Prep Batch: 511030**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	10.0	6.85		ug/L		69	35 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*65*		*31 - 107*
2-Fluorophenol (Surr)	*56*		*18 - 112*
Nitrobenzene-d5 (Surr)	*61*		*37 - 103*
Phenol-d5 (Surr)	*59*		*20 - 113*
Terphenyl-d14 (Surr)	*68*		*22 - 121*
2,4,6-Tribromophenol (Surr)	*82*		*39 - 133*

Lab Sample ID: 680-147344-21 MS — **Client Sample ID: TMW-20 (12292017)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 511505 — **Prep Batch: 511030**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.10	U H	9.99	7.68		ug/L		77	35 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*31 - 107*
2-Fluorophenol (Surr)	*56*		*18 - 112*
Nitrobenzene-d5 (Surr)	*65*		*37 - 103*
Phenol-d5 (Surr)	*57*		*20 - 113*
Terphenyl-d14 (Surr)	*63*		*22 - 121*
2,4,6-Tribromophenol (Surr)	*96*		*39 - 133*

Lab Sample ID: 680-147344-21 MSD — **Client Sample ID: TMW-20 (12292017)**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 511505 — **Prep Batch: 511030**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.10	U H	11.1	8.11		ug/L		73	35 - 130	5	30

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-147344-21 MSD
Matrix: Water
Analysis Batch: 511505

Client Sample ID: TMW-20 (12292017)
Prep Type: Total/NA
Prep Batch: 511030

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	62		31 - 107
2-Fluorophenol (Surr)	50		18 - 112
Nitrobenzene-d5 (Surr)	57		37 - 103
Phenol-d5 (Surr)	54		20 - 113
Terphenyl-d14 (Surr)	59		22 - 121
2,4,6-Tribromophenol (Surr)	82		39 - 133

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-4

GC/MS Semi VOA

Prep Batch: 511030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-21	TMW-20 (12292017)	Total/NA	Water	3520C	
MB 680-511030/2-A	Method Blank	Total/NA	Water	3520C	
LCS 680-511030/3-A	Lab Control Sample	Total/NA	Water	3520C	
680-147344-21 MS	TMW-20 (12292017)	Total/NA	Water	3520C	
680-147344-21 MSD	TMW-20 (12292017)	Total/NA	Water	3520C	

Analysis Batch: 511505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-21	TMW-20 (12292017)	Total/NA	Water	8270D LL	511030
MB 680-511030/2-A	Method Blank	Total/NA	Water	8270D LL	511030
LCS 680-511030/3-A	Lab Control Sample	Total/NA	Water	8270D LL	511030
680-147344-21 MS	TMW-20 (12292017)	Total/NA	Water	8270D LL	511030
680-147344-21 MSD	TMW-20 (12292017)	Total/NA	Water	8270D LL	511030

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-4

Client Sample ID: TMW-20 (12292017)

Lab Sample ID: 680-147344-21

Date Collected: 12/29/17 09:20

Matrix: Water

Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			971.9 mL	1 mL	511030	01/31/18 14:19	CEW	TAL SAV
Total/NA	Analysis	8270D LL		1			511505	02/05/18 21:41	OK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Fax (916) 372-1059

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 320-110756.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147344-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 1/17/2018			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
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)	8081B_8082A/3520C Aroclor 1254	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TMW-20 (12292017) (680-147344-21)	12/29/17	09:20 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Troy A. Tarpen	1/29/18 1630	TA-SAC		01/30/2018 9:05	TA Savannah

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7°C / 1.0°C

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147344-4

Login Number: 147344

List Source: TestAmerica Savannah

List Number: 1

Creator: Anderson, Jordan K

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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.	False	Received same day of collection; chilling process has begun.
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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-4

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-147344-5
Client Project/Site: Hercules Savannah / Savannah Resins Plan

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/9/2018 5:24:24 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 680-147344-5

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-147344-5

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 12/29/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 6.9º C, 7.1º C, 11.2º C and 11.4º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL
was analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW846 Method 8270D. The samples were prepared on 02/02/2018 and analyzed on 02/08/2018.

The following samples were diluted due to the nature of the sample matrix: (680-147344-A-19-B MS) and (680-147344-A-19-C MS). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Sample SB-128-3B (12292017) (680-147344-19) was analyzed outside of hold time due the delay in the request for analysis.

The following samples were diluted due to the nature of the sample matrix: SB-128-3B (12292017) (680-147344-19), (680-147344-A-19-B MS) and (680-147344-A-19-C MS). Elevated reporting limits (RLs) are provided.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS
Sample SB-204-2B (12292017) (680-147344-14) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 01/05/2018 and analyzed on 01/08/2018.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE
Samples SB-204-2B (12292017) (680-147344-14) and SB-128-3B (12292017) (680-147344-19) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 12/30/2017.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-147344-14	SB-204-2B (12292017)	Solid	12/29/17 12:00	12/29/17 14:00
680-147344-19	SB-128-3B (12292017)	Solid	12/29/17 10:10	12/29/17 14:00

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-5

Method	Method Description	Protocol	Laboratory
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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 Semi VOA

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-5

Client Sample ID: SB-204-2B (12292017) — Lab Sample ID: 680-147344-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1254	0.91		0.041	0.012	mg/Kg	1	☼	8081B/8082A	Total/NA

Client Sample ID: SB-128-3B (12292017) — Lab Sample ID: 680-147344-19

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-5

Client Sample ID: SB-204-2B (12292017)

Lab Sample ID: 680-147344-14

Date Collected: 12/29/17 12:00
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 80.2

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.91		0.041	0.012	mg/Kg	☼	01/05/18 17:42	01/08/18 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*54 - 133*	*01/05/18 17:42*	*01/08/18 19:22*	*1*
Tetrachloro-m-xylene	*87*		*46 - 130*	*01/05/18 17:42*	*01/08/18 19:22*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-5

Client Sample ID: SB-128-3B (12292017)
Date Collected: 12/29/17 10:10
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-19
Matrix: Solid
Percent Solids: 88.7

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.079	U H	0.36	0.079	mg/Kg	☼	02/02/18 09:30	02/08/18 22:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*74*		*11 - 130*	*02/02/18 09:30*	*02/08/18 22:40*	*5*
2-Fluorophenol (Surr)	*60*		*10 - 130*	*02/02/18 09:30*	*02/08/18 22:40*	*5*
Nitrobenzene-d5 (Surr)	*57*		*18 - 130*	*02/02/18 09:30*	*02/08/18 22:40*	*5*
Phenol-d5 (Surr)	*63*		*10 - 130*	*02/02/18 09:30*	*02/08/18 22:40*	*5*
Terphenyl-d14 (Surr)	*74*		*27 - 130*	*02/02/18 09:30*	*02/08/18 22:40*	*5*
2,4,6-Tribromophenol (Surr)	*93*		*24 - 130*	*02/02/18 09:30*	*02/08/18 22:40*	*5*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(11-130)	(10-130)	(18-130)	(10-130)	(27-130)	(24-130)
680-147344-19	SB-128-3B (12292017)	74	60	57	63	74	93
680-147344-19 MS	SB-128-3B (12292017)	69	51	52	54	61	81
680-147344-19 MSD	SB-128-3B (12292017)	68	55	57	55	63	80

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-147344-14	SB-204-2B (12292017)	86	87

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP1	TCX2
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
LCS 680-508607/10-A	Lab Control Sample	98	83
MB 680-508607/9-A	Method Blank	101	94

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: 680-147344-19 MS **Client Sample ID: SB-128-3B (12292017)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 511970 **Prep Batch: 511303**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.079	U H	0.744	0.511		mg/Kg	☼	69	10 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*69*		*11 - 130*
2-Fluorophenol (Surr)	*51*		*10 - 130*
Nitrobenzene-d5 (Surr)	*52*		*18 - 130*
Phenol-d5 (Surr)	*54*		*10 - 130*
Terphenyl-d14 (Surr)	*61*		*27 - 130*
2,4,6-Tribromophenol (Surr)	*81*		*24 - 130*

Lab Sample ID: 680-147344-19 MSD **Client Sample ID: SB-128-3B (12292017)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 511970 **Prep Batch: 511303**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.079	U H	0.723	0.485		mg/Kg	☼	67	10 - 130	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*68*		*11 - 130*
2-Fluorophenol (Surr)	*55*		*10 - 130*
Nitrobenzene-d5 (Surr)	*57*		*18 - 130*
Phenol-d5 (Surr)	*55*		*10 - 130*
Terphenyl-d14 (Surr)	*63*		*27 - 130*
2,4,6-Tribromophenol (Surr)	*80*		*24 - 130*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-508607/9-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 508744 **Prep Batch: 508607**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.0098	U	0.032	0.0098	mg/Kg		01/05/18 17:42	01/08/18 17:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*101*		*54 - 133*	*01/05/18 17:42*	*01/08/18 17:27*	*1*
Tetrachloro-m-xylene	*94*		*46 - 130*	*01/05/18 17:42*	*01/08/18 17:27*	*1*

Lab Sample ID: LCS 680-508607/10-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 508744 **Prep Batch: 508607**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1254	0.385	0.333		mg/Kg		86	50 - 150

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-508607/10-A
Matrix: Solid
Analysis Batch: 508744

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 508607

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	98		54 - 133
Tetrachloro-m-xylene	83		46 - 130

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-5

GC/MS Semi VOA

Prep Batch: 511303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-19	SB-128-3B (12292017)	Total/NA	Solid	3546	
680-147344-19 MS	SB-128-3B (12292017)	Total/NA	Solid	3546	
680-147344-19 MSD	SB-128-3B (12292017)	Total/NA	Solid	3546	

Analysis Batch: 511970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-19	SB-128-3B (12292017)	Total/NA	Solid	8270D LL	511303
680-147344-19 MS	SB-128-3B (12292017)	Total/NA	Solid	8270D LL	511303
680-147344-19 MSD	SB-128-3B (12292017)	Total/NA	Solid	8270D LL	511303

GC Semi VOA

Prep Batch: 508607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-14	SB-204-2B (12292017)	Total/NA	Solid	3546	
MB 680-508607/9-A	Method Blank	Total/NA	Solid	3546	
LCS 680-508607/10-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 508744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-14	SB-204-2B (12292017)	Total/NA	Solid	8081B/8082A	508607
MB 680-508607/9-A	Method Blank	Total/NA	Solid	8081B/8082A	508607
LCS 680-508607/10-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	508607

General Chemistry

Analysis Batch: 508258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-14	SB-204-2B (12292017)	Total/NA	Solid	Moisture	
680-147344-19	SB-128-3B (12292017)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-5

Client Sample ID: SB-204-2B (12292017)

Lab Sample ID: 680-147344-14

Date Collected: 12/29/17 12:00
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: SB-204-2B (12292017)

Lab Sample ID: 680-147344-14

Date Collected: 12/29/17 12:00
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	10 mL	508607	01/05/18 17:42	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			508744	01/08/18 19:22	GEM	TAL SAV

Client Sample ID: SB-128-3B (12292017)

Lab Sample ID: 680-147344-19

Date Collected: 12/29/17 10:10
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			508258	12/30/17 09:50	EAB	TAL SAV

Client Sample ID: SB-128-3B (12292017)

Lab Sample ID: 680-147344-19

Date Collected: 12/29/17 10:10
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.45 g	1 mL	511303	02/02/18 09:30	JAM	TAL SAV
Total/NA	Analysis	8270D LL		5			511970	02/08/18 22:40	OK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220208

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: SEE PAGE 1 OF 2	Site Contact: 1 OF 2	Date: 12/29/17	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1 OF 2	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PCB Aroclor 1254/8082	Total PCB (1668) Pre-TEB	Dioxins/Furans (8290) Pre-TEB	1,4-Dichlorobenzene (8260D)	VOCs (8260D)	Sample Specific Notes:
SB-204-1B (122917)	12/29/17	1155	G	So	2			✓	✓				HOLD SAMPLE
SB-204-2B (122917)	12/29/17	1200	G	So	2			✓	✓				HOLD SAMPLE
SB-204-3B (122917)	12/29/17	1215	G	So	2				✓	✓			HOLD SAMPLE
SB-202-1B (122917)	12/29/17	1045	G	So	2			✓	✓				HOLD SAMPLE
DS-9-2B (122917)	12/29/17	1115	G	So	1						✓		HOLD SAMPLE
EX-21-1B (122917)	12/29/17	1245	G	So	1						✓		HOLD SAMPLE
SB-128-1B (122917)	12/29/17	1010	G	So	1						✓		HOLD SAMPLE
SB-159-3B (122917)	12/29/17	1020	G	So	1						✓		HOLD SAMPLE
TMW-20 (122917)	12/29/17	0920	G	WT	6			✓	✓	✓			
EB-1 (122817)	12/28/17	1600	G	WT	3							✓	
								1	1	1	1	2	

680-147344 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 11.7/7.9/7.6/11.9 CCF-005) ~~11.5~~ 11.2 / 4.9/7.1/11.4

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Mary Gilly	ARCADIS	12/29/17 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: [signature]	Company: TAL	Date/Time: 12/29/17 1400

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220209

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact			
Company Name: ARCADIS	Project Manager: ANDY DAVIS	Site Contact: JEN SWIFT	Date: 12/29/17
Address: 10 PATEWOOD DR. STE-375	Tel/Fax: 864.987.3900	Lab Contact: AMY RASMUSSEN	Carrier:
City/State/Zip: GREENVILLE, SC 29615	Analysis Turnaround Time		
Phone: 864-987-3900	☐ CALENDAR DAYS ☐ WORKING DAYS		
Fax:	TAT if different from Below STANDARD		
Project Name: ASHLAND SAVANNAH	☐ 2 weeks		
Site: ASHLAND	☐ 1 week		
PO # OHO1000.6A61	☐ 2 days		
	☐ 1 day		

COC No: 1 of 2 COCs
Sampler:
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	PCB Aroclor 1254 (8082)	TOC, LPCBs (1668) 82.TEO	Dioxins/Furans (8290)	1,4-Dioxane 8270D	Sample Specific Notes:
SB-204-1A (122917)	12/29/17	1210	G	SO	6		✓	✓	✓			MS/MSD
SB-204-2A (122917)	12/29/17	1220	G	SO	2			✓	✓			
SB-204-3A (122917)	12/29/17	1200	G	SO	2				✓	✓		
SB-137-1A (122917)	12/29/17	1050	G	SO	1			✓				
SB-202-1A (122917)	12/29/17	1105	G	SO	2			✓	✓			
DS-9-2A (122917)	12/29/17	1120	G	SO	3		✓				✓	MS/MSD
EX-21-1A (122917)	12/29/17	1140	G	SO	1						✓	
SB-128-1A (122917)	12/29/17	1000	G	SO	1						✓	
SB-159-3A (122917)	12/29/17	1025	G	SO	1						✓	
EB-1 (122917)	12/29/17	1300	G	WT	8			✓	✓	✓	✓	
DUP-1 (122917)	12/29/17	–	G	SO	2			✓	✓			
DUP-2 (122917)	12/29/17	–	G	SO	1						✓	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							1	1		1	1	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments: 11.7/7.4/7.6/11.9(<0.5)/~~7.5~~/6.9/7.1/11.4 11.2

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Mary Ebel	ARCADIS	12/29/17 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[signature]		12/29/17 1400

TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Fax (916) 372-1059

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 320-110756.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147344-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 1/17/2018			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	8081B_8082A/3520C Aroclor 1254	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TMW-20 (12292017) (680-147344-21)	12/29/17	09:20 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tracy A. Tarpen	1/29/18 1630	TA-SAC		01/30/2018 9:05	TA Savannah

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7°C / 1.0°C

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147344-5

Login Number: 147344

List Source: TestAmerica Savannah

List Number: 1

Creator: Anderson, Jordan K

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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.	False	Received same day of collection; chilling process has begun.
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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-5

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-147344-6
Client Project/Site: Hercules Savannah / Savannah Resins Plan

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/22/2018 5:12:57 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 680-147344-6

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-147344-6

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 12/29/2017; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 6.9º C, 7.1º C, 11.2º C and 11.4º C.

CHLORINATED BIPHENYL CONGENERS
Samples SB-204-2B (12292017) (680-147344-14) and SB-204-3B (12292017) (680-147344-15) were analyzed for chlorinated biphenyl congeners in accordance with epa method 1668C. The samples were prepared on 02/02/2018 and analyzed on 02/19/2018.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-204-2B (12292017) (680-147344-14) and SB-204-3B (12292017) (680-147344-15) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

The concentration of one or more analytes associated with the following samples exceeded the instrument calibration range: SB-204-2B (12292017) (680-147344-14) and SB-204-3B (12292017) (680-147344-15). These analytes have been qualified; however, the peak(s) did not saturate the instrument detector. Historical data indicate that for the isotope dilution method, dilution and re-analysis will not produce significantly different results from those reported above the calibration range.

The following samples were diluted to bring the concentration of target analytes to a level below detector saturation: SB-204-2B (12292017) (680-147344-14) and SB-204-3B (12292017) (680-147344-15) at 5.0 and 5.0. Elevated reporting limits (RLs) are provided.

The method blank for 320-206652 contained PCB-105 and PCB-118 above the reporting limit (RL). Associated samples were not re-extracted because results were greater than 10X the value found in the method blank.

Samples SB-204-2B (12292017) (680-147344-14)[5X] and SB-204-3B (12292017) (680-147344-15)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED BIPHENYL CONGENERS
Samples SB-204-2B (12292017) (680-147344-14) and SB-204-3B (12292017) (680-147344-15) were analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were analyzed on 02/22/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE
Sample SB-204-3B (12292017) (680-147344-15) was analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The

Job ID: 680-147344-6 (Continued)

Laboratory: TestAmerica Savannah (Continued)

samples were analyzed on 02/02/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-147344-14	SB-204-2B (12292017)	Solid	12/29/17 12:00	12/29/17 14:00
680-147344-15	SB-204-3B (12292017)	Solid	12/29/17 12:15	12/29/17 14:00

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Method	Method Description	Protocol	Laboratory
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	TAL SAC
None	Total PCB Calculation from HRMS PCB-Congeners	TAL SOP	TAL SAC
D 2216	Percent Moisture	ASTM	TAL SAC

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Qualifiers

Dioxin

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Client Sample ID: SB-204-2B (12292017) — Lab Sample ID: 680-147344-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.000055	J	0.00013	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-2	0.0000095	J	0.00013	0.0000011	mg/Kg	5	☼	1668C	Total/NA
PCB-3	0.000024	J	0.00013	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-4	0.00017		0.00013	0.000034	mg/Kg	5	☼	1668C	Total/NA
PCB-5	0.000030	J	0.00013	0.000012	mg/Kg	5	☼	1668C	Total/NA
PCB-6	0.000062	J	0.00013	0.000012	mg/Kg	5	☼	1668C	Total/NA
PCB-8	0.00046		0.00013	0.000012	mg/Kg	5	☼	1668C	Total/NA
PCB-15	0.000099	J	0.00013	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-16	0.00021		0.00013	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-17	0.00094		0.00013	0.0000086	mg/Kg	5	☼	1668C	Total/NA
PCB-18/30	0.00083		0.00025	0.0000076	mg/Kg	5	☼	1668C	Total/NA
PCB-19	0.00038		0.00013	0.000014	mg/Kg	5	☼	1668C	Total/NA
PCB-20/28	0.0040	B	0.00025	0.000033	mg/Kg	5	☼	1668C	Total/NA
PCB-21/33	0.0011	B	0.00025	0.000031	mg/Kg	5	☼	1668C	Total/NA
PCB-22	0.00036		0.00013	0.000034	mg/Kg	5	☼	1668C	Total/NA
PCB-25	0.000033	J	0.00013	0.000032	mg/Kg	5	☼	1668C	Total/NA
PCB-26/29	0.000091	J	0.00025	0.000032	mg/Kg	5	☼	1668C	Total/NA
PCB-27	0.000037	J	0.00013	0.0000066	mg/Kg	5	☼	1668C	Total/NA
PCB-31	0.0019	B	0.00013	0.000030	mg/Kg	5	☼	1668C	Total/NA
PCB-32	0.0029		0.00013	0.0000063	mg/Kg	5	☼	1668C	Total/NA
PCB-37	0.00029		0.00013	0.000029	mg/Kg	5	☼	1668C	Total/NA
PCB-40/71	0.0033	B	0.00025	0.000026	mg/Kg	5	☼	1668C	Total/NA
PCB-42	0.0019	B	0.00013	0.000028	mg/Kg	5	☼	1668C	Total/NA
PCB-44/47/65	0.015	B	0.00038	0.000025	mg/Kg	5	☼	1668C	Total/NA
PCB-46	0.00097		0.00013	0.000031	mg/Kg	5	☼	1668C	Total/NA
PCB-48	0.00036		0.00013	0.000026	mg/Kg	5	☼	1668C	Total/NA
PCB-49/69	0.011	B	0.00025	0.000022	mg/Kg	5	☼	1668C	Total/NA
PCB-50/53	0.0039	B	0.00025	0.000025	mg/Kg	5	☼	1668C	Total/NA
PCB-51	0.0022	B	0.00013	0.000025	mg/Kg	5	☼	1668C	Total/NA
PCB-52	0.031	B E	0.00013	0.000026	mg/Kg	5	☼	1668C	Total/NA
PCB-54	0.00041		0.00013	0.0000015	mg/Kg	5	☼	1668C	Total/NA
PCB-56	0.0028	B	0.00013	0.00012	mg/Kg	5	☼	1668C	Total/NA
PCB-59/62/75	0.00045		0.00038	0.000019	mg/Kg	5	☼	1668C	Total/NA
PCB-61/70/74/76	0.031	B	0.00050	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-63	0.00052		0.00013	0.00010	mg/Kg	5	☼	1668C	Total/NA
PCB-64	0.0036	B	0.00013	0.000018	mg/Kg	5	☼	1668C	Total/NA
PCB-66	0.011	B	0.00013	0.00012	mg/Kg	5	☼	1668C	Total/NA
PCB-68	0.00023	B	0.00013	0.00010	mg/Kg	5	☼	1668C	Total/NA
PCB-72	0.00037		0.00013	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-77	0.0012	G	0.00011	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-79	0.00044		0.00013	0.00010	mg/Kg	5	☼	1668C	Total/NA
PCB-80	0.00039		0.00013	0.00010	mg/Kg	5	☼	1668C	Total/NA
PCB-82	0.0065	G	0.00093	0.00093	mg/Kg	5	☼	1668C	Total/NA
PCB-84	0.015	G B E	0.00087	0.00087	mg/Kg	5	☼	1668C	Total/NA
PCB-85/116/117	0.013	G B	0.00065	0.00065	mg/Kg	5	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.047	B	0.00076	0.00067	mg/Kg	5	☼	1668C	Total/NA
PCB-88/91	0.0083	G B	0.00074	0.00074	mg/Kg	5	☼	1668C	Total/NA
PCB-90/101/113	0.071	G B E	0.00068	0.00068	mg/Kg	5	☼	1668C	Total/NA
PCB-92	0.014	G B E	0.00079	0.00079	mg/Kg	5	☼	1668C	Total/NA
PCB-107/124	0.0034	G	0.00060	0.00060	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-2B (12292017) (Continued) — Lab Sample ID: 680-147344-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-95	0.048	G B E	0.00074	0.00074	mg/Kg	5	☼	1668C	Total/NA
PCB-96	0.00029		0.00013	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-98/102	0.00097	G	0.00072	0.00072	mg/Kg	5	☼	1668C	Total/NA
PCB-99	0.031	G B E	0.00063	0.00063	mg/Kg	5	☼	1668C	Total/NA
PCB-104	0.000021	J	0.00013	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-105	0.035	G E B	0.00061	0.00061	mg/Kg	5	☼	1668C	Total/NA
PCB-110/115	0.091	G B E	0.00059	0.00059	mg/Kg	5	☼	1668C	Total/NA
PCB-109	0.0061	G	0.00056	0.00056	mg/Kg	5	☼	1668C	Total/NA
PCB-114	0.0015	G	0.00062	0.00062	mg/Kg	5	☼	1668C	Total/NA
PCB-118	0.083	G E B	0.00057	0.00057	mg/Kg	5	☼	1668C	Total/NA
PCB-123	0.0012	G	0.00061	0.00061	mg/Kg	5	☼	1668C	Total/NA
PCB-128/166	0.016	G B	0.00027	0.00027	mg/Kg	5	☼	1668C	Total/NA
PCB-129/138/163	0.088	B E	0.00038	0.00029	mg/Kg	5	☼	1668C	Total/NA
PCB-130	0.0056	G B	0.00037	0.00037	mg/Kg	5	☼	1668C	Total/NA
PCB-131	0.00098	G	0.00033	0.00033	mg/Kg	5	☼	1668C	Total/NA
PCB-132	0.023	G B E	0.00033	0.00033	mg/Kg	5	☼	1668C	Total/NA
PCB-133	0.00084	G	0.00033	0.00033	mg/Kg	5	☼	1668C	Total/NA
PCB-134/143	0.0038	G	0.00034	0.00034	mg/Kg	5	☼	1668C	Total/NA
PCB-135/151	0.016	G B	0.00031	0.00031	mg/Kg	5	☼	1668C	Total/NA
PCB-136	0.0066	G B	0.00023	0.00023	mg/Kg	5	☼	1668C	Total/NA
PCB-137	0.0043	G B	0.00027	0.00027	mg/Kg	5	☼	1668C	Total/NA
PCB-139/140	0.0014	G	0.00030	0.00030	mg/Kg	5	☼	1668C	Total/NA
PCB-141	0.011	G B	0.00033	0.00033	mg/Kg	5	☼	1668C	Total/NA
PCB-144	0.0023	G B	0.00030	0.00030	mg/Kg	5	☼	1668C	Total/NA
PCB-146	0.0083	G B	0.00028	0.00028	mg/Kg	5	☼	1668C	Total/NA
PCB-147/149	0.043	G B E	0.00030	0.00030	mg/Kg	5	☼	1668C	Total/NA
PCB-153/168	0.051	B E	0.00025	0.00025	mg/Kg	5	☼	1668C	Total/NA
PCB-154	0.00039	G	0.00027	0.00027	mg/Kg	5	☼	1668C	Total/NA
PCB-156/157	0.013	G B	0.000095	0.000095	mg/Kg	5	☼	1668C	Total/NA
PCB-158	0.0091	G B	0.00023	0.00023	mg/Kg	5	☼	1668C	Total/NA
PCB-159	0.00017		0.00013	0.000069	mg/Kg	5	☼	1668C	Total/NA
PCB-162	0.00030		0.00013	0.000066	mg/Kg	5	☼	1668C	Total/NA
PCB-164	0.0056	G B	0.00027	0.00027	mg/Kg	5	☼	1668C	Total/NA
PCB-167	0.0039	G B	0.000058	0.000058	mg/Kg	5	☼	1668C	Total/NA
PCB-170	0.0089	B	0.00013	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-171/173	0.0028	B	0.00025	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-172	0.0013		0.00013	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-174	0.0074	B	0.00013	0.000014	mg/Kg	5	☼	1668C	Total/NA
PCB-175	0.00026		0.00013	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-176	0.00065		0.00013	0.0000028	mg/Kg	5	☼	1668C	Total/NA
PCB-177	0.0040	B	0.00013	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-178	0.0010		0.00013	0.0000041	mg/Kg	5	☼	1668C	Total/NA
PCB-179	0.0020	B	0.00013	0.0000030	mg/Kg	5	☼	1668C	Total/NA
PCB-180/193	0.015	B	0.00025	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-181	0.00018		0.00013	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-182	0.000044	J	0.00013	0.0000037	mg/Kg	5	☼	1668C	Total/NA
PCB-183	0.0034	B	0.00013	0.000010	mg/Kg	5	☼	1668C	Total/NA
PCB-184	0.0000072	J	0.00013	0.0000031	mg/Kg	5	☼	1668C	Total/NA
PCB-185	0.00058		0.00013	0.000012	mg/Kg	5	☼	1668C	Total/NA
PCB-187	0.0060	B	0.00013	0.0000037	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-2B (12292017) (Continued) — Lab Sample ID: 680-147344-14

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-188	0.000013	J	0.00013	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-189	0.00034		0.000013	0.0000013	mg/Kg	5	☼	1668C	Total/NA
PCB-190	0.0016	B	0.00013	0.0000093	mg/Kg	5	☼	1668C	Total/NA
PCB-191	0.00034		0.00013	0.0000095	mg/Kg	5	☼	1668C	Total/NA
PCB-194	0.0026	B	0.00013	0.0000019	mg/Kg	5	☼	1668C	Total/NA
PCB-195	0.00094		0.00013	0.0000020	mg/Kg	5	☼	1668C	Total/NA
PCB-196	0.0012		0.00013	0.0000056	mg/Kg	5	☼	1668C	Total/NA
PCB-197	0.000069	J	0.00013	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-198/199	0.0030	B	0.00025	0.0000060	mg/Kg	5	☼	1668C	Total/NA
PCB-200	0.00036		0.00013	0.0000048	mg/Kg	5	☼	1668C	Total/NA
PCB-201	0.00031		0.00013	0.0000043	mg/Kg	5	☼	1668C	Total/NA
PCB-202	0.00064		0.00013	0.0000061	mg/Kg	5	☼	1668C	Total/NA
PCB-203	0.0019		0.00013	0.0000056	mg/Kg	5	☼	1668C	Total/NA
PCB-205	0.00013		0.00013	0.0000013	mg/Kg	5	☼	1668C	Total/NA
PCB-206	0.0016		0.00013	0.0000018	mg/Kg	5	☼	1668C	Total/NA
PCB-207	0.00019		0.00013	0.0000015	mg/Kg	5	☼	1668C	Total/NA
PCB-208	0.00045		0.00013	0.0000019	mg/Kg	5	☼	1668C	Total/NA
PCB-209	0.00084		0.00013	0.0000013	mg/Kg	5	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	1.0		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

Client Sample ID: SB-204-3B (12292017) — Lab Sample ID: 680-147344-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	0.000011	J	0.00012	0.0000014	mg/Kg	5	☼	1668C	Total/NA
PCB-2	0.0000043	J	0.00012	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-3	0.0000065	J	0.00012	0.0000012	mg/Kg	5	☼	1668C	Total/NA
PCB-8	0.000035	J	0.00012	0.0000089	mg/Kg	5	☼	1668C	Total/NA
PCB-15	0.000036	J	0.00012	0.0000084	mg/Kg	5	☼	1668C	Total/NA
PCB-16	0.000027	J	0.00012	0.0000035	mg/Kg	5	☼	1668C	Total/NA
PCB-17	0.000025	J	0.00012	0.0000026	mg/Kg	5	☼	1668C	Total/NA
PCB-18/30	0.000066	J	0.00023	0.0000023	mg/Kg	5	☼	1668C	Total/NA
PCB-19	0.000014	J	0.00012	0.0000039	mg/Kg	5	☼	1668C	Total/NA
PCB-20/28	0.00017	J B	0.00023	0.0000071	mg/Kg	5	☼	1668C	Total/NA
PCB-21/33	0.00015	J B	0.00023	0.0000068	mg/Kg	5	☼	1668C	Total/NA
PCB-22	0.000047	J	0.00012	0.0000073	mg/Kg	5	☼	1668C	Total/NA
PCB-25	0.000010	J	0.00012	0.0000069	mg/Kg	5	☼	1668C	Total/NA
PCB-26/29	0.000024	J	0.00023	0.0000069	mg/Kg	5	☼	1668C	Total/NA
PCB-27	0.0000067	J	0.00012	0.0000020	mg/Kg	5	☼	1668C	Total/NA
PCB-31	0.00017	B	0.00012	0.0000065	mg/Kg	5	☼	1668C	Total/NA
PCB-32	0.000043	J	0.00012	0.0000019	mg/Kg	5	☼	1668C	Total/NA
PCB-35	0.000010	J	0.00012	0.0000072	mg/Kg	5	☼	1668C	Total/NA
PCB-37	0.00011	J	0.00012	0.0000067	mg/Kg	5	☼	1668C	Total/NA
PCB-40/71	0.00052	B	0.00023	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-41	0.000032	J	0.00012	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-42	0.00022	B	0.00012	0.000012	mg/Kg	5	☼	1668C	Total/NA
PCB-44/47/65	0.0024	B	0.00035	0.000010	mg/Kg	5	☼	1668C	Total/NA
PCB-45	0.000069	J	0.00012	0.000012	mg/Kg	5	☼	1668C	Total/NA
PCB-46	0.000030	J	0.00012	0.000013	mg/Kg	5	☼	1668C	Total/NA
PCB-48	0.00010	J	0.00012	0.000011	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-3B (12292017) (Continued) — Lab Sample ID: 680-147344-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-49/69	0.0015	B	0.00023	0.0000090	mg/Kg	5	☼	1668C	Total/NA
PCB-50/53	0.00014	J B	0.00023	0.000010	mg/Kg	5	☼	1668C	Total/NA
PCB-51	0.000028	J B	0.00012	0.000010	mg/Kg	5	☼	1668C	Total/NA
PCB-52	0.0077	B	0.00012	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-56	0.00082	B	0.00012	0.000037	mg/Kg	5	☼	1668C	Total/NA
PCB-59/62/75	0.000088	J	0.00035	0.0000079	mg/Kg	5	☼	1668C	Total/NA
PCB-60	0.00030		0.00012	0.000035	mg/Kg	5	☼	1668C	Total/NA
PCB-61/70/74/76	0.0076	B	0.00047	0.000034	mg/Kg	5	☼	1668C	Total/NA
PCB-63	0.000068	J	0.00012	0.000031	mg/Kg	5	☼	1668C	Total/NA
PCB-64	0.0011	B	0.00012	0.0000076	mg/Kg	5	☼	1668C	Total/NA
PCB-66	0.0025	B	0.00012	0.000036	mg/Kg	5	☼	1668C	Total/NA
PCB-72	0.000045	J	0.00012	0.000033	mg/Kg	5	☼	1668C	Total/NA
PCB-77	0.00041	G	0.000032	0.000032	mg/Kg	5	☼	1668C	Total/NA
PCB-79	0.00020		0.00012	0.000032	mg/Kg	5	☼	1668C	Total/NA
PCB-82	0.0027	G	0.00068	0.00068	mg/Kg	5	☼	1668C	Total/NA
PCB-84	0.0057	G B	0.00063	0.00063	mg/Kg	5	☼	1668C	Total/NA
PCB-85/116/117	0.0050	G B	0.00047	0.00047	mg/Kg	5	☼	1668C	Total/NA
PCB-86/87/97/108/119/125	0.019	B	0.00070	0.00049	mg/Kg	5	☼	1668C	Total/NA
PCB-88/91	0.0033	G B	0.00054	0.00054	mg/Kg	5	☼	1668C	Total/NA
PCB-90/101/113	0.037	G B E	0.00050	0.00050	mg/Kg	5	☼	1668C	Total/NA
PCB-92	0.0068	G B	0.00057	0.00057	mg/Kg	5	☼	1668C	Total/NA
PCB-107/124	0.0012	G	0.00044	0.00044	mg/Kg	5	☼	1668C	Total/NA
PCB-95	0.023	G B E	0.00054	0.00054	mg/Kg	5	☼	1668C	Total/NA
PCB-96	0.000091	J	0.00012	0.0000010	mg/Kg	5	☼	1668C	Total/NA
PCB-99	0.012	G B E	0.00046	0.00046	mg/Kg	5	☼	1668C	Total/NA
PCB-105	0.011	G B	0.00044	0.00044	mg/Kg	5	☼	1668C	Total/NA
PCB-110/115	0.045	G B E	0.00043	0.00043	mg/Kg	5	☼	1668C	Total/NA
PCB-109	0.0021	G	0.00041	0.00041	mg/Kg	5	☼	1668C	Total/NA
PCB-114	0.00051	G	0.00045	0.00045	mg/Kg	5	☼	1668C	Total/NA
PCB-118	0.029	G E B	0.00041	0.00041	mg/Kg	5	☼	1668C	Total/NA
PCB-128/166	0.011	G B	0.0015	0.0015	mg/Kg	5	☼	1668C	Total/NA
PCB-129/138/163	0.087	G B E	0.0016	0.0016	mg/Kg	5	☼	1668C	Total/NA
PCB-130	0.0040	G B	0.0020	0.0020	mg/Kg	5	☼	1668C	Total/NA
PCB-132	0.022	G B E	0.0019	0.0019	mg/Kg	5	☼	1668C	Total/NA
PCB-134/143	0.0032	G	0.0019	0.0019	mg/Kg	5	☼	1668C	Total/NA
PCB-135/151	0.026	G B E	0.0017	0.0017	mg/Kg	5	☼	1668C	Total/NA
PCB-136	0.0080	G B	0.0013	0.0013	mg/Kg	5	☼	1668C	Total/NA
PCB-137	0.0021	G B	0.0015	0.0015	mg/Kg	5	☼	1668C	Total/NA
PCB-141	0.019	G B E	0.0018	0.0018	mg/Kg	5	☼	1668C	Total/NA
PCB-144	0.0036	G B	0.0017	0.0017	mg/Kg	5	☼	1668C	Total/NA
PCB-146	0.011	G B	0.0016	0.0016	mg/Kg	5	☼	1668C	Total/NA
PCB-147/149	0.062	G B E	0.0017	0.0017	mg/Kg	5	☼	1668C	Total/NA
PCB-153/168	0.076	G B E	0.0014	0.0014	mg/Kg	5	☼	1668C	Total/NA
PCB-156/157	0.0085	G B	0.00011	0.00011	mg/Kg	5	☼	1668C	Total/NA
PCB-158	0.0081	G B	0.0013	0.0013	mg/Kg	5	☼	1668C	Total/NA
PCB-159	0.0013		0.00012	0.000080	mg/Kg	5	☼	1668C	Total/NA
PCB-162	0.00020		0.00012	0.000077	mg/Kg	5	☼	1668C	Total/NA
PCB-164	0.0064	G B	0.0015	0.0015	mg/Kg	5	☼	1668C	Total/NA
PCB-167	0.0031	G B	0.000067	0.000067	mg/Kg	5	☼	1668C	Total/NA
PCB-170	0.040	B E	0.00012	0.000082	mg/Kg	5	☼	1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-204-3B (12292017) (Continued) — Lab Sample ID: 680-147344-15

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-171/173	0.012	B	0.00023	0.000084	mg/Kg	5	☼	1668C	Total/NA
PCB-172	0.0075		0.00012	0.000082	mg/Kg	5	☼	1668C	Total/NA
PCB-174	0.051	B E	0.00012	0.000089	mg/Kg	5	☼	1668C	Total/NA
PCB-175	0.0015		0.00012	0.0000065	mg/Kg	5	☼	1668C	Total/NA
PCB-176	0.0040		0.00012	0.0000047	mg/Kg	5	☼	1668C	Total/NA
PCB-177	0.024	B E	0.00012	0.000082	mg/Kg	5	☼	1668C	Total/NA
PCB-178	0.0073		0.00012	0.0000068	mg/Kg	5	☼	1668C	Total/NA
PCB-179	0.014	B E	0.00012	0.0000050	mg/Kg	5	☼	1668C	Total/NA
PCB-180/193	0.10	B E	0.00023	0.000067	mg/Kg	5	☼	1668C	Total/NA
PCB-181	0.00015		0.00012	0.000073	mg/Kg	5	☼	1668C	Total/NA
PCB-182	0.00010	J	0.00012	0.0000061	mg/Kg	5	☼	1668C	Total/NA
PCB-183	0.021	B E	0.00012	0.000064	mg/Kg	5	☼	1668C	Total/NA
PCB-184	0.0000070	J	0.00012	0.0000052	mg/Kg	5	☼	1668C	Total/NA
PCB-185	0.0051		0.00012	0.000078	mg/Kg	5	☼	1668C	Total/NA
PCB-187	0.045	B E	0.00012	0.0000062	mg/Kg	5	☼	1668C	Total/NA
PCB-188	0.000020	J	0.00012	0.0000065	mg/Kg	5	☼	1668C	Total/NA
PCB-189	0.0012		0.000012	0.0000051	mg/Kg	5	☼	1668C	Total/NA
PCB-190	0.0084	B	0.00012	0.000059	mg/Kg	5	☼	1668C	Total/NA
PCB-191	0.0018		0.00012	0.000061	mg/Kg	5	☼	1668C	Total/NA
PCB-194	0.025	B E	0.00012	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-195	0.010		0.00012	0.000011	mg/Kg	5	☼	1668C	Total/NA
PCB-196	0.011		0.00012	0.000043	mg/Kg	5	☼	1668C	Total/NA
PCB-197	0.00059		0.00012	0.000030	mg/Kg	5	☼	1668C	Total/NA
PCB-198/199	0.024	B E	0.00023	0.000046	mg/Kg	5	☼	1668C	Total/NA
PCB-200	0.0030		0.00012	0.000037	mg/Kg	5	☼	1668C	Total/NA
PCB-201	0.0024		0.00012	0.000033	mg/Kg	5	☼	1668C	Total/NA
PCB-202	0.0041		0.00012	0.000047	mg/Kg	5	☼	1668C	Total/NA
PCB-203	0.014	E	0.00012	0.000043	mg/Kg	5	☼	1668C	Total/NA
PCB-205	0.0012		0.00012	0.0000072	mg/Kg	5	☼	1668C	Total/NA
PCB-206	0.0059		0.00012	0.0000019	mg/Kg	5	☼	1668C	Total/NA
PCB-207	0.00068		0.00012	0.0000016	mg/Kg	5	☼	1668C	Total/NA
PCB-208	0.0012		0.00012	0.0000021	mg/Kg	5	☼	1668C	Total/NA
PCB-209	0.00034		0.00012	0.0000016	mg/Kg	5	☼	1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	1.0		0.0000020	0.0000050	mg/Kg	1		None	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Client Sample ID: SB-204-2B (12292017)

Lab Sample ID: 680-147344-14

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Matrix: Solid
Percent Solids: 80.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000055	J	0.00013	0.0000014	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-2	0.0000095	J	0.00013	0.0000011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-3	0.000024	J	0.00013	0.0000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-4	0.00017		0.00013	0.000034	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-5	0.000030	J	0.00013	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-6	0.000062	J	0.00013	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-7	0.000012	U	0.00013	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-8	0.00046		0.00013	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-9	0.000012	U	0.00013	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-10	0.000021	U	0.00013	0.000021	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-11	0.000012	U	0.00013	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-12/13	0.000012	U	0.00025	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-14	0.000010	U	0.00013	0.000010	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-15	0.000099	J	0.00013	0.000011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-16	0.00021		0.00013	0.000011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-17	0.00094		0.00013	0.0000086	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-18/30	0.00083		0.00025	0.0000076	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-19	0.00038		0.00013	0.000014	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-20/28	0.0040	B	0.00025	0.000033	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-21/33	0.0011	B	0.00025	0.000031	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-22	0.00036		0.00013	0.000034	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-23	0.000032	U	0.00013	0.000032	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-24	0.0000069	U	0.00013	0.0000069	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-25	0.000033	J	0.00013	0.000032	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-26/29	0.000091	J	0.00025	0.000032	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-27	0.000037	J	0.00013	0.0000066	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-31	0.0019	B	0.00013	0.000030	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-32	0.0029		0.00013	0.0000063	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-34	0.000033	U	0.00013	0.000033	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-35	0.000033	U	0.00013	0.000033	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-36	0.000031	U	0.00013	0.000031	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-37	0.00029		0.00013	0.000029	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-38	0.000034	U	0.00013	0.000034	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-39	0.000030	U	0.00013	0.000030	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-40/71	0.0033	B	0.00025	0.000026	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-41	0.000031	U	0.00013	0.000031	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-42	0.0019	B	0.00013	0.000028	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-43	0.000031	U	0.00013	0.000031	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-44/47/65	0.015	B	0.00038	0.000025	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-45	0.000030	U	0.00013	0.000030	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-46	0.00097		0.00013	0.000031	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-48	0.00036		0.00013	0.000026	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-49/69	0.011	B	0.00025	0.000022	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-50/53	0.0039	B	0.00025	0.000025	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-51	0.0022	B	0.00013	0.000025	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-52	0.031	B E	0.00013	0.000026	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-54	0.00041		0.00013	0.0000015	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-55	0.00012	U	0.00013	0.00012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-56	0.0028	B	0.00013	0.00012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5

Client Sample ID: SB-204-2B (12292017)

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-14

Matrix: Solid
Percent Solids: 80.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.00012	U	0.00013	0.00012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-58	0.00011	U	0.00013	0.00011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-59/62/75	**0.00045**		0.00038	0.000019	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-60	0.00012	U	0.00013	0.00012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-61/70/74/76	**0.031**	**B**	0.00050	0.00011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-63	**0.00052**		0.00013	0.00010	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-64	**0.0036**	**B**	0.00013	0.000018	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-66	**0.011**	**B**	0.00013	0.00012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-67	0.00011	U	0.00013	0.00011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-68	**0.00023**	**B**	0.00013	0.00010	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-72	**0.00037**		0.00013	0.00011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-73	0.000020	U	0.00013	0.000020	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-77	**0.0012**	**G**	0.00011	0.00011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-78	0.00012	U	0.00013	0.00012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-79	**0.00044**		0.00013	0.00010	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-80	**0.00039**		0.00013	0.00010	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-81	0.00010	U G	0.00010	0.00010	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-82	**0.0065**	**G**	0.00093	0.00093	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-83	0.0010	U G	0.0010	0.0010	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-84	**0.015**	**G B E**	0.00087	0.00087	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-85/116/117	**0.013**	**G B**	0.00065	0.00065	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-86/87/97/108/119/125	**0.047**	**B**	0.00076	0.00067	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-88/91	**0.0083**	**G B**	0.00074	0.00074	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-89	0.00081	U G	0.00081	0.00081	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-90/101/113	**0.071**	**G B E**	0.00068	0.00068	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-92	**0.014**	**G B E**	0.00079	0.00079	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-93/100	0.00074	U G	0.00074	0.00074	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-107/124	**0.0034**	**G**	0.00060	0.00060	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-94	0.00078	U G	0.00078	0.00078	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-95	**0.048**	**G B E**	0.00074	0.00074	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-96	**0.00029**		0.00013	0.0000010	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-98/102	**0.00097**	**G**	0.00072	0.00072	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-99	**0.031**	**G B E**	0.00063	0.00063	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-103	0.00068	U G	0.00068	0.00068	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-104	**0.000021**	**J**	0.00013	0.0000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-105	**0.035**	**G E B**	0.00061	0.00061	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-106	0.00062	U G	0.00062	0.00062	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-110/115	**0.091**	**G B E**	0.00059	0.00059	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-109	**0.0061**	**G**	0.00056	0.00056	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-111	0.00058	U G	0.00058	0.00058	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-112	0.00060	U G	0.00060	0.00060	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-114	**0.0015**	**G**	0.00062	0.00062	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-118	**0.083**	**G E B**	0.00057	0.00057	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-120	0.00055	U G	0.00055	0.00055	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-121	0.00055	U G	0.00055	0.00055	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-122	0.00065	U G	0.00065	0.00065	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-123	**0.0012**	**G**	0.00061	0.00061	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-126	0.00063	U G	0.00063	0.00063	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-127	0.00061	U G	0.00061	0.00061	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5

Client Sample ID: SB-204-2B (12292017)

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-14

Matrix: Solid
Percent Solids: 80.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	0.016	G B	0.00027	0.00027	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-129/138/163	0.088	B E	0.00038	0.00029	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-130	0.0056	G B	0.00037	0.00037	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-131	0.00098	G	0.00033	0.00033	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-132	0.023	G B E	0.00033	0.00033	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-133	0.00084	G	0.00033	0.00033	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-134/143	0.0038	G	0.00034	0.00034	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-135/151	0.016	G B	0.00031	0.00031	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-136	0.0066	G B	0.00023	0.00023	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-137	0.0043	G B	0.00027	0.00027	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-139/140	0.0014	G	0.00030	0.00030	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-141	0.011	G B	0.00033	0.00033	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-142	0.00035	U G	0.00035	0.00035	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-144	0.0023	G B	0.00030	0.00030	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-145	0.00022	U G	0.00022	0.00022	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-146	0.0083	G B	0.00028	0.00028	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-147/149	0.043	G B E	0.00030	0.00030	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-148	0.00030	U G	0.00030	0.00030	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-150	0.00021	U G	0.00021	0.00021	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-152	0.00022	U G	0.00022	0.00022	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-153/168	0.051	B E	0.00025	0.00025	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-154	0.00039	G	0.00027	0.00027	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-155	0.00024	U G	0.00024	0.00024	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-156/157	0.013	G B	0.000095	0.000095	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-158	0.0091	G B	0.00023	0.00023	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-159	0.00017		0.00013	0.000069	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-160	0.00028	U G	0.00028	0.00028	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-161	0.00026	U G	0.00026	0.00026	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-162	0.00030		0.00013	0.000066	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-164	0.0056	G B	0.00027	0.00027	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-165	0.00027	U G	0.00027	0.00027	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-167	0.0039	G B	0.000058	0.000058	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-169	0.000063	U G	0.000063	0.000063	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-170	0.0089	B	0.00013	0.000013	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-171/173	0.0028	B	0.00025	0.000013	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-172	0.0013		0.00013	0.000013	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-174	0.0074	B	0.00013	0.000014	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-175	0.00026		0.00013	0.0000039	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-176	0.00065		0.00013	0.0000028	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-177	0.0040	B	0.00013	0.000013	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-178	0.0010		0.00013	0.0000041	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-179	0.0020	B	0.00013	0.0000030	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-180/193	0.015	B	0.00025	0.000011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-181	0.00018		0.00013	0.000011	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-182	0.000044	J	0.00013	0.0000037	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-183	0.0034	B	0.00013	0.000010	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-184	0.0000072	J	0.00013	0.0000031	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-185	0.00058		0.00013	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-186	0.0000030	U	0.00013	0.0000030	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5

Client Sample ID: SB-204-2B (12292017)

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-14

Matrix: Solid
Percent Solids: 80.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	0.0060	B	0.00013	0.0000037	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-188	0.000013	J	0.00013	0.0000039	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-189	0.00034		0.000013	0.0000013	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-190	0.0016	B	0.00013	0.0000093	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-191	0.00034		0.00013	0.0000095	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-192	0.0000099	U	0.00013	0.0000099	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-194	0.0026	B	0.00013	0.0000019	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-195	0.00094		0.00013	0.0000020	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-196	0.0012		0.00013	0.0000056	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-197	0.000069	J	0.00013	0.0000039	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-198/199	0.0030	B	0.00025	0.0000060	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-200	0.00036		0.00013	0.0000048	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-201	0.00031		0.00013	0.0000043	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-202	0.00064		0.00013	0.0000061	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-203	0.0019		0.00013	0.0000056	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-204	0.0000045	U	0.00013	0.0000045	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-205	0.00013		0.00013	0.0000013	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-206	0.0016		0.00013	0.0000018	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-207	0.00019		0.00013	0.0000015	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-208	0.00045		0.00013	0.0000019	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5
PCB-209	0.00084		0.00013	0.0000013	mg/Kg	☼	02/02/18 09:34	02/19/18 22:13	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*46*		*5 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-3L	*52*		*5 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-4L	*44*		*5 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-15L	*62*		*5 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-19L	*47*		*5 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-37L	*85*		*5 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-54L	*40*		*5 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-77L	*96*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-81L	*100*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-104L	*63*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-105L	*98*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-114L	*90*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-118L	*98*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-123L	*91*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-126L	*99*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-155L	*68*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-156L/157L	*107*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-167L	*105*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-169L	*103*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-188L	*62*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-189L	*103*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-202L	*70*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-205L	*100*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-206L	*86*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-208L	*74*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-209L	*59*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Client Sample ID: SB-204-2B (12292017)

Date Collected: 12/29/17 12:00
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-14

Matrix: Solid
Percent Solids: 80.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*62*		*5 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-111L	*80*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*
PCB-178L	*78*		*10 - 145*	*02/02/18 09:34*	*02/19/18 22:13*	*5*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**1.0**		0.0000020	0.0000050	mg/Kg			02/22/18 13:29	1

Client Sample ID: SB-204-3B (12292017)

Lab Sample ID: 680-147344-15

Date Collected: 12/29/17 12:15
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 88.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000011	J	0.00012	0.0000014	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-2	0.0000043	J	0.00012	0.0000012	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-3	0.0000065	J	0.00012	0.0000012	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-4	0.000026	U	0.00012	0.000026	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-5	0.0000087	U	0.00012	0.0000087	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-6	0.0000092	U	0.00012	0.0000092	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-7	0.0000088	U	0.00012	0.0000088	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-8	0.000035	J	0.00012	0.0000089	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-9	0.0000091	U	0.00012	0.0000091	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-10	0.000017	U	0.00012	0.000017	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-11	0.0000088	U	0.00012	0.0000088	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-12/13	0.0000088	U	0.00023	0.0000088	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-14	0.0000077	U	0.00012	0.0000077	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-15	0.000036	J	0.00012	0.0000084	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-16	0.000027	J	0.00012	0.0000035	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-17	0.000025	J	0.00012	0.0000026	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-18/30	0.000066	J	0.00023	0.0000023	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-19	0.000014	J	0.00012	0.0000039	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-20/28	0.00017	J B	0.00023	0.0000071	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-21/33	0.00015	J B	0.00023	0.0000068	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-22	0.000047	J	0.00012	0.0000073	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-23	0.0000069	U	0.00012	0.0000069	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-24	0.0000021	U	0.00012	0.0000021	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-25	0.000010	J	0.00012	0.0000069	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-26/29	0.000024	J	0.00023	0.0000069	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-27	0.0000067	J	0.00012	0.0000020	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-31	0.00017	B	0.00012	0.0000065	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-32	0.000043	J	0.00012	0.0000019	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-34	0.0000071	U	0.00012	0.0000071	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-35	0.000010	J	0.00012	0.0000072	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-36	0.0000067	U	0.00012	0.0000067	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-37	0.00011	J	0.00012	0.0000067	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-38	0.0000074	U	0.00012	0.0000074	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-39	0.0000065	U	0.00012	0.0000065	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-40/71	0.00052	B	0.00023	0.000011	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-41	0.000032	J	0.00012	0.000013	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-42	0.00022	B	0.00012	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-43	0.000013	U	0.00012	0.000013	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-44/47/65	0.0024	B	0.00035	0.000010	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-45	0.000069	J	0.00012	0.000012	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-46	0.000030	J	0.00012	0.000013	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-48	0.00010	J	0.00012	0.000011	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-49/69	0.0015	B	0.00023	0.0000090	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-50/53	0.00014	J B	0.00023	0.000010	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-51	0.000028	J B	0.00012	0.000010	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-52	0.0077	B	0.00012	0.000011	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-54	0.0000018	U	0.00012	0.0000018	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-55	0.000035	U	0.00012	0.000035	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-56	0.00082	B	0.00012	0.000037	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5

Client Sample ID: SB-204-3B (12292017)

Date Collected: 12/29/17 12:15
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-15

Matrix: Solid
Percent Solids: 88.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	0.000035	U	0.00012	0.000035	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-58	0.000034	U	0.00012	0.000034	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-59/62/75	**0.000088**	**J**	0.00035	0.0000079	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-60	**0.00030**		0.00012	0.000035	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-61/70/74/76	**0.0076**	**B**	0.00047	0.000034	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-63	**0.000068**	**J**	0.00012	0.000031	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-64	**0.0011**	**B**	0.00012	0.0000076	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-66	**0.0025**	**B**	0.00012	0.000036	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-67	0.000033	U	0.00012	0.000033	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-68	0.000031	U	0.00012	0.000031	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-72	**0.000045**	**J**	0.00012	0.000033	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-73	0.0000082	U	0.00012	0.0000082	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-77	**0.00041**	**G**	0.000032	0.000032	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-78	0.000036	U	0.00012	0.000036	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-79	**0.00020**		0.00012	0.000032	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-80	0.000030	U	0.00012	0.000030	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-81	0.000032	U G	0.000032	0.000032	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-82	**0.0027**	**G**	0.00068	0.00068	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-83	0.00074	U G	0.00074	0.00074	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-84	**0.0057**	**G B**	0.00063	0.00063	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-85/116/117	**0.0050**	**G B**	0.00047	0.00047	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-86/87/97/108/119/125	**0.019**	**B**	0.00070	0.00049	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-88/91	**0.0033**	**G B**	0.00054	0.00054	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-89	0.00059	U G	0.00059	0.00059	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-90/101/113	**0.037**	**G B E**	0.00050	0.00050	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-92	**0.0068**	**G B**	0.00057	0.00057	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-93/100	0.00054	U G	0.00054	0.00054	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-107/124	**0.0012**	**G**	0.00044	0.00044	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-94	0.00057	U G	0.00057	0.00057	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-95	**0.023**	**G B E**	0.00054	0.00054	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-96	**0.000091**	**J**	0.00012	0.0000010	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-98/102	0.00052	U G	0.00052	0.00052	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-99	**0.012**	**G B E**	0.00046	0.00046	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-103	0.00049	U G	0.00049	0.00049	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-104	0.0000012	U	0.00012	0.0000012	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-105	**0.011**	**G B**	0.00044	0.00044	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-106	0.00045	U G	0.00045	0.00045	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-110/115	**0.045**	**G B E**	0.00043	0.00043	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-109	**0.0021**	**G**	0.00041	0.00041	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-111	0.00042	U G	0.00042	0.00042	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-112	0.00044	U G	0.00044	0.00044	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-114	**0.00051**	**G**	0.00045	0.00045	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-118	**0.029**	**G E B**	0.00041	0.00041	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-120	0.00040	U G	0.00040	0.00040	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-121	0.00040	U G	0.00040	0.00040	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-122	0.00047	U G	0.00047	0.00047	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-123	0.00045	U G	0.00045	0.00045	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-126	0.00045	U G	0.00045	0.00045	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-127	0.00045	U G	0.00045	0.00045	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5

Client Sample ID: SB-204-3B (12292017)

Date Collected: 12/29/17 12:15
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-15

Matrix: Solid
Percent Solids: 88.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	0.011	G B	0.0015	0.0015	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-129/138/163	0.087	G B E	0.0016	0.0016	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-130	0.0040	G B	0.0020	0.0020	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-131	0.0019	U G	0.0019	0.0019	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-132	0.022	G B E	0.0019	0.0019	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-133	0.0018	U G	0.0018	0.0018	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-134/143	0.0032	G	0.0019	0.0019	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-135/151	0.026	G B E	0.0017	0.0017	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-136	0.0080	G B	0.0013	0.0013	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-137	0.0021	G B	0.0015	0.0015	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-139/140	0.0017	U G	0.0017	0.0017	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-141	0.019	G B E	0.0018	0.0018	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-142	0.0019	U G	0.0019	0.0019	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-144	0.0036	G B	0.0017	0.0017	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-145	0.0012	U G	0.0012	0.0012	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-146	0.011	G B	0.0016	0.0016	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-147/149	0.062	G B E	0.0017	0.0017	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-148	0.0017	U G	0.0017	0.0017	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-150	0.0012	U G	0.0012	0.0012	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-152	0.0012	U G	0.0012	0.0012	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-153/168	0.076	G B E	0.0014	0.0014	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-154	0.0015	U G	0.0015	0.0015	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-155	0.0013	U G	0.0013	0.0013	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-156/157	0.0085	G B	0.00011	0.00011	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-158	0.0081	G B	0.0013	0.0013	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-159	0.0013		0.00012	0.000080	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-160	0.0016	U G	0.0016	0.0016	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-161	0.0014	U G	0.0014	0.0014	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-162	0.00020		0.00012	0.000077	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-164	0.0064	G B	0.0015	0.0015	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-165	0.0015	U G	0.0015	0.0015	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-167	0.0031	G B	0.000067	0.000067	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-169	0.000070	U G	0.000070	0.000070	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-170	0.040	B E	0.00012	0.000082	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-171/173	0.012	B	0.00023	0.000084	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-172	0.0075		0.00012	0.000082	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-174	0.051	B E	0.00012	0.000089	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-175	0.0015		0.00012	0.0000065	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-176	0.0040		0.00012	0.0000047	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-177	0.024	B E	0.00012	0.000082	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-178	0.0073		0.00012	0.0000068	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-179	0.014	B E	0.00012	0.0000050	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-180/193	0.10	B E	0.00023	0.000067	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-181	0.00015		0.00012	0.000073	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-182	0.00010	J	0.00012	0.0000061	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-183	0.021	B E	0.00012	0.000064	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-184	0.0000070	J	0.00012	0.0000052	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-185	0.0051		0.00012	0.000078	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-186	0.0000050	U	0.00012	0.0000050	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5

Client Sample ID: SB-204-3B (12292017)

Date Collected: 12/29/17 12:15
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-15

Matrix: Solid
Percent Solids: 88.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	0.045	B E	0.00012	0.0000062	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-188	0.000020	J	0.00012	0.0000065	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-189	0.0012		0.000012	0.0000051	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-190	0.0084	B	0.00012	0.000059	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-191	0.0018		0.00012	0.000061	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-192	0.000063	U	0.00012	0.000063	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-194	0.025	B E	0.00012	0.000011	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-195	0.010		0.00012	0.000011	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-196	0.011		0.00012	0.000043	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-197	0.00059		0.00012	0.000030	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-198/199	0.024	B E	0.00023	0.000046	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-200	0.0030		0.00012	0.000037	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-201	0.0024		0.00012	0.000033	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-202	0.0041		0.00012	0.000047	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-203	0.014	E	0.00012	0.000043	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-204	0.000034	U	0.00012	0.000034	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-205	0.0012		0.00012	0.0000072	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-206	0.0059		0.00012	0.0000019	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-207	0.00068		0.00012	0.0000016	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-208	0.0012		0.00012	0.0000021	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5
PCB-209	0.00034		0.00012	0.0000016	mg/Kg	☼	02/02/18 09:34	02/19/18 23:28	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*47*		*5 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-3L	*50*		*5 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-4L	*42*		*5 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-15L	*55*		*5 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-19L	*45*		*5 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-37L	*78*		*5 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-54L	*39*		*5 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-77L	*92*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-81L	*94*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-104L	*57*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-105L	*91*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-114L	*85*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-118L	*89*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-123L	*85*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-126L	*95*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-155L	*61*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-156L/157L	*97*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-167L	*93*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-169L	*98*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-188L	*57*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-189L	*94*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-202L	*69*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-205L	*98*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-206L	*84*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-208L	*72*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-209L	*58*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Client Sample ID: SB-204-3B (12292017)

Date Collected: 12/29/17 12:15
Date Received: 12/29/17 14:00

Lab Sample ID: 680-147344-15

Matrix: Solid
Percent Solids: 88.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*64*		*5 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-111L	*79*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*
PCB-178L	*79*		*10 - 145*	*02/02/18 09:34*	*02/19/18 23:28*	*5*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**1.0**		0.0000020	0.0000050	mg/Kg			02/22/18 13:29	1

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Client Sample ID: SB-204-2B (12292017) — Lab Sample ID: 680-147344-14

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.0012**	**G**	0.00011	0.00011	mg/Kg	0.0001	**0.00000012**	1668C
PCB-81	0.00010	U G	0.00010	0.00010	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.035**	**G E B**	0.00061	0.00061	mg/Kg	0.00003	**0.0000011**	1668C
PCB-114	**0.0015**	**G**	0.00062	0.00062	mg/Kg	0.00003	**0.000000045**	1668C
PCB-118	**0.083**	**G E B**	0.00057	0.00057	mg/Kg	0.00003	**0.0000025**	1668C
PCB-123	**0.0012**	**G**	0.00061	0.00061	mg/Kg	0.00003	**0.000000036**	1668C
PCB-126	0.00063	U G	0.00063	0.00063	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.013**	**G B**	0.000095	0.000095	mg/Kg	0.00003	**0.00000039**	1668C
PCB-167	**0.0039**	**G B**	0.000058	0.000058	mg/Kg	0.00003	**0.00000012**	1668C
PCB-169	0.000063	U G	0.000063	0.000063	mg/Kg	0.03	0.00	1668C
PCB-189	**0.00034**		0.000013	0.0000013	mg/Kg	0.00003	**0.000000010**	1668C

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	1.0		0.0000020	0.0000050	mg/Kg		0.0000043	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total PCB TEQ					mg/Kg		0.0000043	TEQ
Total TEQ					mg/Kg		0.0000043	TEQ

Client Sample ID: SB-204-3B (12292017) — Lab Sample ID: 680-147344-15

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.00041**	**G**	0.000032	0.000032	mg/Kg	0.0001	**0.000000041**	1668C
PCB-81	0.000032	U G	0.000032	0.000032	mg/Kg	0.0003	0.00	1668C
PCB-105	**0.011**	**G B**	0.00044	0.00044	mg/Kg	0.00003	**0.00000033**	1668C
PCB-114	**0.00051**	**G**	0.00045	0.00045	mg/Kg	0.00003	**0.000000015**	1668C
PCB-118	**0.029**	**G E B**	0.00041	0.00041	mg/Kg	0.00003	**0.00000087**	1668C
PCB-123	0.00045	U G	0.00045	0.00045	mg/Kg	0.00003	0.00	1668C
PCB-126	0.00045	U G	0.00045	0.00045	mg/Kg	0.1	0.00	1668C
PCB-156/157	**0.0085**	**G B**	0.00011	0.00011	mg/Kg	0.00003	**0.00000026**	1668C
PCB-167	**0.0031**	**G B**	0.000067	0.000067	mg/Kg	0.00003	**0.000000093**	1668C
PCB-169	0.000070	U G	0.000070	0.000070	mg/Kg	0.03	0.00	1668C
PCB-189	**0.0012**		0.000012	0.0000051	mg/Kg	0.00003	**0.000000036**	1668C

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	1.0		0.0000020	0.0000050	mg/Kg		0.0000016	None

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Client Sample ID: SB-204-3B (12292017) (Continued)

Lab Sample ID: 680-147344-15

						WHO 2005 ND = 0		
Analyte	**Result**	**Qualifier**	**NONE**	**NONE**	**Unit**	**TEF**	**TEQ**	**Method**
Total PCB TEQ					mg/Kg		0.0000016	TEQ
Total TEQ					mg/Kg		0.0000016	TEQ

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L	PCB111L	PCB178L
Lab Sample ID	Client Sample ID	(5-145)	(10-145)	(10-145)
680-147344-14	SB-204-2B (12292017)	62	80	78
680-147344-15	SB-204-3B (12292017)	64	79	79
MB 320-206652/1-A	Method Blank	48	59	69

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L	PCB111L	PCB178L
Lab Sample ID	Client Sample ID	(15-145)	(40-145)	(40-145)
LCS 320-206652/2-A	Lab Control Sample	50	65	76
LCSD 320-206652/3-A	Lab Control Sample Dup	46	59	71

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(10-145)
680-147344-14	SB-204-2B (12292017)	46	52	44	62	47	85	40	96
680-147344-15	SB-204-3B (12292017)	47	50	42	55	45	78	39	92
MB 320-206652/1-A	Method Blank	45	51	52	59	64	56	53	63

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	P114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-147344-14	SB-204-2B (12292017)	100	63	98	90	98	91	99	68
680-147344-15	SB-204-3B (12292017)	94	57	91	85	89	85	95	61
MB 320-206652/1-A	Method Blank	62	57	77	70	71	71	84	49

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		CB-156L/15	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L	PCB205L	PCB206L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-147344-14	SB-204-2B (12292017)	107	105	103	62	103	70	100	86
680-147344-15	SB-204-3B (12292017)	97	93	98	57	94	69	98	84
MB 320-206652/1-A	Method Blank	78	75	83	63	90	79	100	95

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PCB208L	PCB209L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)
680-147344-14	SB-204-2B (12292017)	74	59
680-147344-15	SB-204-3B (12292017)	72	58
MB 320-206652/1-A	Method Blank	77	67

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	**Client Sample ID**	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(40-145)
LCS 320-206652/2-A	Lab Control Sample	54	58	60	71	74	59	53	70
LCSD 320-206652/3-A	Lab Control Sample Dup	45	48	49	53	56	55	51	65

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	P114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-206652/2-A	Lab Control Sample	68	61	84	76	77	78	94	52
LCSD 320-206652/3-A	Lab Control Sample Dup	63	55	78	71	72	72	85	41

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		CB-156L/15	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L	PCB205L	PCB206L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-206652/2-A	Lab Control Sample	86	82	91	66	91	80	100	93
LCSD 320-206652/3-A	Lab Control Sample Dup	80	76	83	54	89	66	95	81

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PCB208L	PCB209L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)
LCS 320-206652/2-A	Lab Control Sample	79	67
LCSD 320-206652/3-A	Lab Control Sample Dup	65	57

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-206652/1-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206652

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00000056	U	0.000020	0.00000056	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-2	0.00000045	U	0.000020	0.00000045	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-3	0.00000048	U	0.000020	0.00000048	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-4	0.000012	U	0.000020	0.000012	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-5	0.0000058	U	0.000020	0.0000058	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-6	0.0000061	U	0.000020	0.0000061	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-7	0.0000058	U	0.000020	0.0000058	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-8	0.0000059	U	0.000020	0.0000059	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-9	0.0000060	U	0.000020	0.0000060	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-10	0.0000055	U	0.000020	0.0000055	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-11	0.0000058	U	0.000020	0.0000058	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-12/13	0.0000058	U	0.000040	0.0000058	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-14	0.0000051	U	0.000020	0.0000051	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-15	0.0000049	U	0.000020	0.0000049	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-16	0.00000090	U	0.000020	0.00000090	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-17	0.00000067	U	0.000020	0.00000067	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-18/30	0.00000059	U	0.000040	0.00000059	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-19	0.00000075	U	0.000020	0.00000075	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-20/28	0.00000101	J	0.000040	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-21/33	0.000000370	J	0.000040	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-22	0.00000016	U	0.000020	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-23	0.00000015	U	0.000020	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-24	0.00000054	U	0.000020	0.00000054	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-25	0.00000015	U	0.000020	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-26/29	0.00000015	U	0.000040	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-27	0.00000051	U	0.000020	0.00000051	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-31	0.000000735	J	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-32	0.00000049	U	0.000020	0.00000049	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-34	0.00000015	U	0.000020	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-35	0.00000016	U	0.000020	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-36	0.00000015	U	0.000020	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-37	0.00000017	U	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-206652/1-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206652

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-38	0.00000016	U	0.000020	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-39	0.00000014	U	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-40/71	0.000000732	J	0.000040	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-41	0.00000017	U	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-42	0.000000387	J	0.000020	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-43	0.00000017	U	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-44/47/65	0.00000512	J	0.000060	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-45	0.00000016	U	0.000020	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-46	0.00000017	U	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-48	0.00000014	U	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-49/69	0.00000244	J	0.000040	0.00000012	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-50/53	0.00000129	J	0.000040	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-51	0.00000132	J	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-52	0.00000685	J	0.000020	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-54	0.00000028	U	0.000020	0.00000028	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-55	0.00000018	U	0.000020	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-56	0.000000381	J	0.000020	0.00000019	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-57	0.00000018	U	0.000020	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-58	0.00000018	U	0.000020	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-59/62/75	0.00000011	U	0.000060	0.00000011	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-60	0.00000018	U	0.000020	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-61/70/74/76	0.00000369	J	0.000080	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-63	0.00000016	U	0.000020	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-64	0.000000323	J	0.000020	0.00000010	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-66	0.00000129	J	0.000020	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-67	0.00000017	U	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-68	0.000000286	J	0.000020	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-206652/1-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206652

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-72	0.00000017	U	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-73	0.00000011	U	0.000020	0.00000011	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-77	0.00000020	U	0.0000020	0.00000020	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-78	0.00000018	U	0.000020	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-79	0.00000016	U	0.000020	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-80	0.00000016	U	0.000020	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-81	0.00000020	U	0.0000020	0.00000020	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-82	0.00000035	U	0.000020	0.00000035	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-83	0.00000038	U	0.000020	0.00000038	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-84	0.00000194	J	0.000020	0.00000032	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-85/116/117	0.00000113	J	0.000060	0.00000024	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-86/87/97/108/119/125	0.00000493	J	0.00012	0.00000025	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-88/91	0.00000115	J	0.000040	0.00000028	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-89	0.00000030	U	0.000020	0.00000030	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-90/101/113	0.00000818	J	0.000060	0.00000025	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-92	0.00000139	J	0.000020	0.00000029	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-93/100	0.00000027	U	0.000040	0.00000027	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-107/124	0.00000022	U	0.000040	0.00000022	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-94	0.00000029	U	0.000020	0.00000029	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-95	0.00000734	J	0.000020	0.00000027	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-96	0.00000020	U	0.000020	0.00000020	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-98/102	0.00000027	U	0.000040	0.00000027	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-99	0.00000309	J	0.000020	0.00000023	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-103	0.00000025	U	0.000020	0.00000025	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-104	0.00000019	U	0.000020	0.00000019	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-105	0.00000216		0.0000020	0.00000023	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-106	0.00000023	U	0.000020	0.00000023	mg/Kg		02/02/18 09:34	02/13/18 13:43	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-206652/1-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206652

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-110/115	0.00000808	J	0.000040	0.00000022	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-109	0.00000021	U	0.000020	0.00000021	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-111	0.00000021	U	0.000020	0.00000021	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-112	0.00000022	U	0.000020	0.00000022	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-114	0.00000024	U	0.0000020	0.00000024	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-118	0.00000584		0.0000020	0.00000023	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-120	0.00000021	U	0.000020	0.00000021	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-121	0.00000020	U	0.000020	0.00000020	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-122	0.00000024	U	0.000020	0.00000024	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-123	0.00000023	U	0.0000020	0.00000023	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-126	0.00000023	U	0.0000020	0.00000023	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-127	0.00000023	U	0.000020	0.00000023	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-128/166	0.000000818	J	0.000040	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-129/138/163	0.00000640	J	0.000060	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-130	0.000000375	J	0.000020	0.00000019	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-131	0.00000017	U	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-132	0.00000228	J	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-133	0.00000017	U	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-134/143	0.00000017	U	0.000040	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-135/151	0.00000198	J	0.000040	0.00000016	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-136	0.00000108	J	0.000020	0.00000012	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-137	0.000000195	J	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-139/140	0.00000015	U	0.000040	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-141	0.00000121	J	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-142	0.00000018	U	0.000020	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-144	0.000000386	J	0.000020	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-145	0.00000011	U	0.000020	0.00000011	mg/Kg		02/02/18 09:34	02/13/18 13:43	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-206652/1-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206652

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-146	0.000000743	J	0.000020	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-147/149	0.00000548	J	0.000040	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-148	0.00000015	U	0.000020	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-150	0.00000011	U	0.000020	0.00000011	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-152	0.00000011	U	0.000020	0.00000011	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-153/168	0.00000475	J	0.000040	0.00000013	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-154	0.00000014	U	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-155	0.00000013	U	0.000020	0.00000013	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-156/157	0.000000496	J	0.0000040	0.00000012	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-158	0.000000609	J	0.000020	0.00000012	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-159	0.000000083	U	0.000020	0.0000000083	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-160	0.00000014	U	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-161	0.00000013	U	0.000020	0.00000013	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-162	0.000000080	U	0.000020	0.0000000080	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-164	0.000000407	J	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-165	0.00000014	U	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-167	0.000000217	J	0.0000020	0.0000000071	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-169	0.000000069	U	0.0000020	0.0000000069	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-170	0.000000645	J	0.000020	0.0000000076	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-171/173	0.000000442	J	0.000040	0.0000000078	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-172	0.000000075	U	0.000020	0.0000000075	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-174	0.00000111	J	0.000020	0.0000000083	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-175	0.00000019	U	0.000020	0.00000019	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-176	0.00000014	U	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-177	0.000000695	J	0.000020	0.0000000076	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-178	0.00000020	U	0.000020	0.00000020	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-179	0.000000595	J	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-206652/1-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206652

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-180/193	0.00000161	J	0.000040	0.000000062	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-181	0.000000068	U	0.000020	0.000000068	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-182	0.00000018	U	0.000020	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-183	0.000000609	J	0.000020	0.000000059	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-184	0.00000015	U	0.000020	0.00000015	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-185	0.000000072	U	0.000020	0.000000072	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-186	0.00000014	U	0.000020	0.00000014	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-187	0.00000124	J	0.000020	0.00000018	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-188	0.00000017	U	0.000020	0.00000017	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-189	0.000000082	U	0.0000020	0.000000082	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-190	0.000000132	J	0.000020	0.000000055	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-191	0.000000056	U	0.000020	0.000000056	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-192	0.000000059	U	0.000020	0.000000059	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-194	0.000000303	J	0.000020	0.000000093	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-195	0.000000098	U	0.000020	0.000000098	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-196	0.000000097	U	0.000020	0.000000097	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-197	0.000000068	U	0.000020	0.000000068	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-198/199	0.000000307	J	0.000040	0.00000010	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-200	0.000000083	U	0.000020	0.000000083	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-201	0.000000075	U	0.000020	0.000000075	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-202	0.000000099	U	0.000020	0.000000099	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-203	0.000000097	U	0.000020	0.000000097	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-204	0.000000078	U	0.000020	0.000000078	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-205	0.000000065	U	0.000020	0.000000065	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-206	0.00000011	U	0.000020	0.00000011	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-207	0.000000098	U	0.000020	0.000000098	mg/Kg		02/02/18 09:34	02/13/18 13:43	1
PCB-208	0.00000013	U	0.000020	0.00000013	mg/Kg		02/02/18 09:34	02/13/18 13:43	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-206652/1-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 206652

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-209	0.00000012	U	0.000020	0.0000001 2	mg/Kg		02/02/18 09:34	02/13/18 13:43	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*45*		*5 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-3L	*51*		*5 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-4L	*52*		*5 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-15L	*59*		*5 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-19L	*64*		*5 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-37L	*56*		*5 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-54L	*53*		*5 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-77L	*63*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-81L	*62*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-104L	*57*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-105L	*77*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-114L	*70*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-118L	*71*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-123L	*71*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-126L	*84*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-155L	*49*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-156L/157L	*78*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-167L	*75*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-169L	*83*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-188L	*63*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-189L	*90*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-202L	*79*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-205L	*100*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-206L	*95*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-208L	*77*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-209L	*67*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*48*		*5 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-111L	*59*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*
PCB-178L	*69*		*10 - 145*	*02/02/18 09:34*	*02/13/18 13:43*	*1*

Lab Sample ID: LCS 320-206652/2-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.000200	0.000196		mg/Kg		98	60 - 135
PCB-3	0.000200	0.000204		mg/Kg		102	60 - 135
PCB-4	0.000200	0.000181		mg/Kg		91	60 - 135
PCB-15	0.000200	0.000200		mg/Kg		100	60 - 135
PCB-19	0.000200	0.000200		mg/Kg		100	60 - 135
PCB-54	0.000200	0.000206		mg/Kg		103	60 - 135
PCB-77	0.000200	0.000205		mg/Kg		102	60 - 135

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-206652/2-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206652

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-81	0.000200	0.000210		mg/Kg		105	60 - 135
PCB-104	0.000200	0.000212		mg/Kg		106	60 - 135
PCB-105	0.000200	0.000214		mg/Kg		107	60 - 135
PCB-114	0.000200	0.000212		mg/Kg		106	60 - 135
PCB-118	0.000200	0.000219		mg/Kg		109	60 - 135
PCB-123	0.000200	0.000215		mg/Kg		107	60 - 135
PCB-126	0.000200	0.000213		mg/Kg		107	60 - 135
PCB-155	0.000200	0.000207		mg/Kg		104	60 - 135
PCB-156/157	0.000400	0.000411		mg/Kg		103	60 - 135
PCB-167	0.000200	0.000201		mg/Kg		100	60 - 135
PCB-169	0.000200	0.000202		mg/Kg		101	60 - 135
PCB-188	0.000200	0.000200		mg/Kg		100	60 - 135
PCB-189	0.000200	0.000182		mg/Kg		91	60 - 135
PCB-202	0.000200	0.000203		mg/Kg		102	60 - 135
PCB-205	0.000200	0.000188		mg/Kg		94	60 - 135
PCB-206	0.000200	0.000198		mg/Kg		99	60 - 135
PCB-208	0.000200	0.000200		mg/Kg		100	60 - 135
PCB-209	0.000200	0.000202		mg/Kg		101	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*54*		*15 - 145*
PCB-3L	*58*		*15 - 145*
PCB-4L	*60*		*15 - 145*
PCB-15L	*71*		*15 - 145*
PCB-19L	*74*		*15 - 145*
PCB-37L	*59*		*15 - 145*
PCB-54L	*53*		*15 - 145*
PCB-77L	*70*		*40 - 145*
PCB-81L	*68*		*40 - 145*
PCB-104L	*61*		*40 - 145*
PCB-105L	*84*		*40 - 145*
PCB-114L	*76*		*40 - 145*
PCB-118L	*77*		*40 - 145*
PCB-123L	*78*		*40 - 145*
PCB-126L	*94*		*40 - 145*
PCB-155L	*52*		*40 - 145*
PCB-156L/157L	*86*		*40 - 145*
PCB-167L	*82*		*40 - 145*
PCB-169L	*91*		*40 - 145*
PCB-188L	*66*		*40 - 145*
PCB-189L	*91*		*40 - 145*
PCB-202L	*80*		*40 - 145*
PCB-205L	*100*		*40 - 145*
PCB-206L	*93*		*40 - 145*
PCB-208L	*79*		*40 - 145*
PCB-209L	*67*		*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-206652/2-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 206652

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*50*		*15 - 145*
PCB-111L	*65*		*40 - 145*
PCB-178L	*76*		*40 - 145*

Lab Sample ID: LCSD 320-206652/3-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 206652

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			0.000200	0.000197		mg/Kg		98	60 - 135	0	50
PCB-3			0.000200	0.000203		mg/Kg		102	60 - 135	0	50
PCB-4			0.000200	0.000208		mg/Kg		104	60 - 135	14	50
PCB-15			0.000200	0.000203		mg/Kg		101	60 - 135	1	50
PCB-19			0.000200	0.000202		mg/Kg		101	60 - 135	1	50
PCB-54			0.000200	0.000207		mg/Kg		104	60 - 135	1	50
PCB-77			0.000200	0.000204		mg/Kg		102	60 - 135	0	50
PCB-81			0.000200	0.000207		mg/Kg		103	60 - 135	1	50
PCB-104			0.000200	0.000217		mg/Kg		108	60 - 135	2	50
PCB-105			0.000200	0.000215		mg/Kg		107	60 - 135	0	50
PCB-114			0.000200	0.000214		mg/Kg		107	60 - 135	1	50
PCB-118			0.000200	0.000225		mg/Kg		113	60 - 135	3	50
PCB-123			0.000200	0.000214		mg/Kg		107	60 - 135	0	50
PCB-126			0.000200	0.000213		mg/Kg		107	60 - 135	0	50
PCB-155			0.000200	0.000210		mg/Kg		105	60 - 135	2	50
PCB-156/157			0.000400	0.000410		mg/Kg		103	60 - 135	0	50
PCB-167			0.000200	0.000201		mg/Kg		101	60 - 135	0	50
PCB-169			0.000200	0.000203		mg/Kg		101	60 - 135	0	50
PCB-188			0.000200	0.000197		mg/Kg		99	60 - 135	1	50
PCB-189			0.000200	0.000180		mg/Kg		90	60 - 135	1	50
PCB-202			0.000200	0.000197		mg/Kg		99	60 - 135	3	50
PCB-205			0.000200	0.000188		mg/Kg		94	60 - 135	0	50
PCB-206			0.000200	0.000199		mg/Kg		100	60 - 135	0	50
PCB-208			0.000200	0.000199		mg/Kg		99	60 - 135	1	50
PCB-209			0.000200	0.000202		mg/Kg		101	60 - 135	0	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*45*		*15 - 145*
PCB-3L	*48*		*15 - 145*
PCB-4L	*49*		*15 - 145*
PCB-15L	*53*		*15 - 145*
PCB-19L	*56*		*15 - 145*
PCB-37L	*55*		*15 - 145*
PCB-54L	*51*		*15 - 145*
PCB-77L	*65*		*40 - 145*
PCB-81L	*63*		*40 - 145*
PCB-104L	*55*		*40 - 145*
PCB-105L	*78*		*40 - 145*
PCB-114L	*71*		*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-206652/3-A
Matrix: Solid
Analysis Batch: 208149

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 206652

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
PCB-118L	72		40 - 145
PCB-123L	72		40 - 145
PCB-126L	85		40 - 145
PCB-155L	41		40 - 145
PCB-156L/157L	80		40 - 145
PCB-167L	76		40 - 145
PCB-169L	83		40 - 145
PCB-188L	54		40 - 145
PCB-189L	89		40 - 145
PCB-202L	66		40 - 145
PCB-205L	95		40 - 145
PCB-206L	81		40 - 145
PCB-208L	65		40 - 145
PCB-209L	57		40 - 145

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
PCB-28L	46		15 - 145
PCB-111L	59		40 - 145
PCB-178L	71		40 - 145

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Specialty Organics

Prep Batch: 206652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-14	SB-204-2B (12292017)	Total/NA	Solid	HRMS-Sox	
680-147344-15	SB-204-3B (12292017)	Total/NA	Solid	HRMS-Sox	
MB 320-206652/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	
LCS 320-206652/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	
LCSD 320-206652/3-A	Lab Control Sample Dup	Total/NA	Solid	HRMS-Sox	

Analysis Batch: 208149

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-206652/1-A	Method Blank	Total/NA	Solid	1668C	206652
LCS 320-206652/2-A	Lab Control Sample	Total/NA	Solid	1668C	206652
LCSD 320-206652/3-A	Lab Control Sample Dup	Total/NA	Solid	1668C	206652

Analysis Batch: 209219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-14	SB-204-2B (12292017)	Total/NA	Solid	1668C	206652
680-147344-15	SB-204-3B (12292017)	Total/NA	Solid	1668C	206652

Analysis Batch: 209662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-14	SB-204-2B (12292017)	Total/NA	Solid	None	
680-147344-15	SB-204-3B (12292017)	Total/NA	Solid	None	

General Chemistry

Analysis Batch: 206682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-147344-15	SB-204-3B (12292017)	Total/NA	Solid	D 2216	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Client Sample ID: SB-204-2B (12292017)

Lab Sample ID: 680-147344-14

Date Collected: 12/29/17 12:00
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			209662	02/22/18 13:29	SHK	TAL SAC

Client Sample ID: SB-204-2B (12292017)

Lab Sample ID: 680-147344-14

Date Collected: 12/29/17 12:00
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			9.90 g	20.00 uL	206652	02/02/18 09:34	DXD	TAL SAC
Total/NA	Analysis	1668C		5			209219	02/19/18 22:13	KSS	TAL SAC

Client Sample ID: SB-204-3B (12292017)

Lab Sample ID: 680-147344-15

Date Collected: 12/29/17 12:15
Matrix: Solid
Date Received: 12/29/17 14:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	None		1			209662	02/22/18 13:29	SHK	TAL SAC
Total/NA	Analysis	D 2216		1			206682	02/02/18 10:57	FDB	TAL SAC

Client Sample ID: SB-204-3B (12292017)

Lab Sample ID: 680-147344-15

Date Collected: 12/29/17 12:15
Matrix: Solid
Date Received: 12/29/17 14:00
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sox			9.74 g	20.00 uL	206652	02/02/18 09:34	DXD	TAL SAC
Total/NA	Analysis	1668C		5			209219	02/19/18 23:28	KSS	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220208

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: SEE PAGE 1 OF 2	Site Contact: 1 OF 2	Date: 12/29/17	COC No:
Company Name:	Tel/Fax:	Lab Contact:	Carrier:	2 of 2 COCs
Address:	Analysis Turnaround Time			Sampler:
City/State/Zip:	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below STANDARD			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: SEE PAGE 1 OF 2	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	PCB Aroclor 1254/8082	Total PCB (1668) Per TEF	Dioxins/Furans (8290) Per TEF	1,4-Dichlorobenzene (8260D)	VOCs (8260D)	Sample Specific Notes:
SB-204-1B (122917)	12/29/17	1155	G	So	2			✓	✓				HOLD SAMPLE
SB-204-2B (122917)	12/29/17	1200	G	So	2			✓	✓				HOLD SAMPLE
SB-204-3B (122917)	12/29/17	1215	G	So	2				✓	✓			HOLD SAMPLE
SB-202-1B (122917)	12/29/17	1045	G	So	2			✓	✓				HOLD SAMPLE
DS-9-2B (122917)	12/29/17	1115	G	So	1						✓		HOLD SAMPLE
EX-21-1B (122917)	12/29/17	1245	G	So	1						✓		HOLD SAMPLE
SB-128-1B (122917)	12/29/17	1010	G	So	1						✓		HOLD SAMPLE
SB-159-3B (122917)	12/29/17	1020	G	So	1						✓		HOLD SAMPLE
TMW-20 (122917)	12/29/17	0920	G	WT	6			✓	✓	✓			
EB-1 (122817)	12/28/17	1600	G	WT	3							✓	
								1	1	1	1	2	

680-147344 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 11.7/7.9/7.6/11.9 CCF-005) ~~11.5~~ 11.2 / 4.9/7.1/11.4

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Mary Gilly	ARCADIS	12/29/17 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Jared Edwards	Company: TAL	Date/Time: 12/29/17 1400

TestAmerica Savannah
5102 LaRoche Avenue
Suite C-10
Savannah, GA 31404
Phone: 912.354.7858 Fax:

681-Atlanta

Chain of Custody Record

220209

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact			
Company Name: ARCADIS	Project Manager: ANDY DAVIS	Site Contact: JEN SWIFT	Date: 12/29/17
Address: 10 PATEWOOD DR. STE-375	Tel/Fax: 864.987.3900	Lab Contact: AMY RASMUSSEN	Carrier:
City/State/Zip: GREENVILLE, SC 29615	Analysis Turnaround Time		
Phone: 864-987-3900	☐ CALENDAR DAYS ☐ WORKING DAYS		
Fax:	TAT if different from Below STANDARD		
Project Name: ASHLAND SAVANNAH	☐ 2 weeks		
Site: ASHLAND	☐ 1 week		
PO # OHO1000.6A61	☐ 2 days		
	☐ 1 day		

COC No: 1 of 2 COCs

Sampler:

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	PCB Aroclor 1254 (8082)	TOC LPCBs (1668) PCB TEQ	Dioxins/Furans (8290) PCB TEQ	1,4-Dichlorobenzene 8270D	Sample Specific Notes:
SB-204-1A (122917)	12/29/17	1210	G	SO	6		✓	✓	✓			MS/MSD
SB-204-2A (122917)	12/29/17	1220	G	SO	2			✓	✓			
SB-204-3A (122917)	12/29/17	1200	G	SO	2				✓	✓		
SB-137-1A (122917)	12/29/17	1050	G	SO	1			✓				
SB-202-1A (122917)	12/29/17	1105	G	SO	2			✓	✓			
DS-9-2A (122917)	12/29/17	1120	G	SO	3		✓				✓	MS/MSD
EX-21-1A (122917)	12/29/17	1140	G	SO	1						✓	
SB-128-1A (122917)	12/29/17	1000	G	SO	1						✓	
SB-159-3A (122917)	12/29/17	1025	G	SO	1						✓	
EB-1 (122917)	12/29/17	1300	G	WT	8			✓	✓	✓	✓	
DUP-1 (122917)	12/29/17	–	G	SO	2			✓	✓			
DUP-2 (122917)	12/29/17	–	G	SO	1						✓	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other							1	1		1	1	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: 11.7/7.4/7.6/11.9(<0.5)/~~7.5~~/6.9/7.1/11.4 11.2

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Mary Ebel	ARCADIS	12/29/17 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			[illegible]		12/29/17 1400

TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone (916) 373-5600 Fax (916) 372-1059

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 320-110756.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-147344-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 1/17/2018			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	8081B_8082A/3520C Aroclor 1254	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
TMW-20 (12292017) (680-147344-21)	12/29/17	09:20 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Troy A. Tarpen	1/29/18 1630	TA-SAC		01/30/2018 9:05	TA Savannah

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.7°C / 1.0°C

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147344-6

Login Number: 147344

List Source: TestAmerica Savannah

List Number: 1

Creator: Anderson, Jordan K

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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.	False	Received same day of collection; chilling process has begun.
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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-147344-6

Login Number: 147344
List Number: 2
Creator: Her, David A

List Source: TestAmerica Sacramento
List Creation: 01/03/18 11:16 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	414862/414861
Sample custody seals, if present, are intact.	N/A	
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	1.7 C 2.4 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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18 *
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-147344-6

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	10-31-18
L-A-B	DoD ELAP		L2468	01-20-21
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-14-18
Michigan	State Program	5	9947	01-31-18 *
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-18
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18 *
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-148310-1
Client Project/Site: Hercules Savannah / Savannah Resins Plan

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/5/2018 1:50:42 PM
Eddie Barnett, Project Manager I
(912)354-7858
eddie.barnett@testamericainc.com

Designee for

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 680-148310-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: ARCADIS U.S., Inc.
Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-148310-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The sample was received on 01/31/2018; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 0.9º C.

PESTICIDES AND PCBS
Sample TMW-21 (013118) (680-148310-1) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The sample was prepared on 02/01/2018 and analyzed on 02/02/2018.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

DCB Decachlorobiphenyl recovered outside the surrogate recovery criteria low for TMW-21 (013118) (680-148310-1). There was insufficient sample to perform a re-extraction; therefore, the data have been reported. Refer to the QC report for details.

The routine PCB1016 and PCB 1260 laboratory control spikes were extracted in the batch instead of a PCB 1254 laboratory control spike.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-148310-1	TMW-21 (013118)	Water	01/31/18 13:05	01/31/18 14:14

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

Method	Method Description	Protocol	Laboratory
8082A	Polychlorinated Biphenyls (PCBs) by GC	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

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside 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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

Client Sample ID: TMW-21 (013118) **Lab Sample ID: 680-148310-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

Client Sample ID: TMW-21 (013118)

Lab Sample ID: 680-148310-1

Date Collected: 01/31/18 13:05
Matrix: Water
Date Received: 01/31/18 14:14

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.11	U	1.0	0.11	ug/L		02/01/18 15:40	02/02/18 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*8*	*X*	*14 - 130*	*02/01/18 15:40*	*02/02/18 20:37*	*1*
Tetrachloro-m-xylene	*45*		*40 - 130*	*02/01/18 15:40*	*02/02/18 20:37*	*1*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**DCBP2 (14-130)**	**TCX1 (40-130)**						
680-148310-1	TMW-21 (013118)	8 X	45						
680-148310-1 MS	TMW-21 (013118)	16	59						
680-148310-1 MSD	TMW-21 (013118)	21	71						
MB 680-511222/6-A	Method Blank	35	63						

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by GC

Lab Sample ID: MB 680-511222/6-A
Matrix: Water
Analysis Batch: 511412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 511222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.11	U	1.0	0.11	ug/L		02/01/18 15:40	02/02/18 19:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*35*		*14 - 130*	*02/01/18 15:40*	*02/02/18 19:35*	*1*
Tetrachloro-m-xylene	*63*		*40 - 130*	*02/01/18 15:40*	*02/02/18 19:35*	*1*

Lab Sample ID: 680-148310-1 MS
Matrix: Water
Analysis Batch: 511412

Client Sample ID: TMW-21 (013118)
Prep Type: Total/NA
Prep Batch: 511222

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*16*		*14 - 130*
Tetrachloro-m-xylene	*59*		*40 - 130*

Lab Sample ID: 680-148310-1 MSD
Matrix: Water
Analysis Batch: 511412

Client Sample ID: TMW-21 (013118)
Prep Type: Total/NA
Prep Batch: 511222

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*21*		*14 - 130*
Tetrachloro-m-xylene	*71*		*40 - 130*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

GC Semi VOA

Prep Batch: 511222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-148310-1	TMW-21 (013118)	Total/NA	Water	3520C	
MB 680-511222/6-A	Method Blank	Total/NA	Water	3520C	
680-148310-1 MS	TMW-21 (013118)	Total/NA	Water	3520C	
680-148310-1 MSD	TMW-21 (013118)	Total/NA	Water	3520C	

Analysis Batch: 511412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-148310-1	TMW-21 (013118)	Total/NA	Water	8082A	511222
MB 680-511222/6-A	Method Blank	Total/NA	Water	8082A	511222
680-148310-1 MS	TMW-21 (013118)	Total/NA	Water	8082A	511222
680-148310-1 MSD	TMW-21 (013118)	Total/NA	Water	8082A	511222

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

Client Sample ID: TMW-21 (013118)

Date Collected: 01/31/18 13:05
Date Received: 01/31/18 14:14

Lab Sample ID: 680-148310-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			977.1 mL	10 mL	511222	02/01/18 15:40	CEW	TAL SAV
Total/NA	Analysis	8082A		1			511412	02/02/18 20:37	JCK	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
Phone: 912.354.7858 Fax:

Chain of Custody Record

235974

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andy Davis	Site Contact:	Date: 1/31/18	COC No:
Company Name: Arcadis	Tel/Fax: Andrew.Davis@arcadis.com	Lab Contact: Jerry Lanier	Carrier:	1 of 1 COCs
Address: 10 Patewood Dr. Ste 375	Analysis Turnaround Time			Sampler: B. Mayeux
City/State/Zip: Greenville / SC / 29615	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (864) 987-3900	TAT if different from Below Standard			Walk-in Client:
Fax: —	☐ 2 weeks			Lab Sampling:
Project Name: Ashland Savannah	☐ 1 week			
Site: Savannah, GA	☐ 2 days			Job / SDG No.:
PO# OH010000.GA61	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	1668C	8290A	8081B_8082A	Sample Specific Notes:
TMW-21(013118)	1/31/18	1305	G	WT	6	N	N	✓	✓		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Arcadis	1/31/18			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
[signature]	TA Savannah	14:14			

0.8°C / 0.9 °C

680-148310 Chain of Custody

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-148310-1

Login Number: 148310
List Number: 1
Creator: Tyler, Matthew M

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-148310-2
Client Project/Site: Hercules Savannah / Savannah Resins Plan

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
2/23/2018 2:54:27 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-148310-2

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-148310-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 01/31/2018; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 0.9 C.

CHLORINATED BIPHENYL CONGENERS
Sample TMW-21 (013118) (680-148310-1) was analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were prepared on 02/15/2018 and analyzed on 02/21/2018.

Several analytes were detected in method blank MB 320-208578/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS
Sample TMW-21 (013118) (680-148310-1) was analyzed for dioxins and furans in accordance with EPA SW-846 8290A. The samples were prepared on 02/14/2018 and analyzed on 02/15/2018.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-208277.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)
Sample TMW-21 (013118) (680-148310-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 1668. The samples were analyzed on 02/23/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-148310-1	TMW-21 (013118)	Water	01/31/18 13:05	01/31/18 14:14

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Method	Method Description	Protocol	Laboratory
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	TAL SAC
8290A	Dioxins and Furans (HRGC/HRMS)	SW846	TAL SAC
None	Total PCB Calculation from HRMS PCB-Congeners	TAL SOP	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Qualifiers

Dioxin

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Client Sample ID: TMW-21 (013118)

Lab Sample ID: 680-148310-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	16	J	200	0.94	pg/L	1		1668C	Total/NA
PCB-2	2.7	J	200	0.75	pg/L	1		1668C	Total/NA
PCB-3	4.0	J	200	0.78	pg/L	1		1668C	Total/NA
PCB-11	18	J	200	6.2	pg/L	1		1668C	Total/NA
PCB-16	6.7	J	200	2.3	pg/L	1		1668C	Total/NA
PCB-17	4.6	J	200	1.7	pg/L	1		1668C	Total/NA
PCB-18/30	14	J	390	1.5	pg/L	1		1668C	Total/NA
PCB-19	4.7	J	200	2.0	pg/L	1		1668C	Total/NA
PCB-20/28	8.9	J	390	1.4	pg/L	1		1668C	Total/NA
PCB-21/33	6.3	J	390	1.3	pg/L	1		1668C	Total/NA
PCB-22	4.5	J	200	1.4	pg/L	1		1668C	Total/NA
PCB-25	3.2	J	200	1.3	pg/L	1		1668C	Total/NA
PCB-31	13	J	200	1.3	pg/L	1		1668C	Total/NA
PCB-32	4.0	J	200	1.3	pg/L	1		1668C	Total/NA
PCB-40/71	16	J	390	0.76	pg/L	1		1668C	Total/NA
PCB-42	6.9	J	200	0.83	pg/L	1		1668C	Total/NA
PCB-44/47/65	190	J B	590	0.72	pg/L	1		1668C	Total/NA
PCB-45	4.0	J	200	0.86	pg/L	1		1668C	Total/NA
PCB-48	3.9	J	200	0.77	pg/L	1		1668C	Total/NA
PCB-49/69	38	J	390	0.64	pg/L	1		1668C	Total/NA
PCB-50/53	9.6	J	390	0.73	pg/L	1		1668C	Total/NA
PCB-51	15	J	200	0.72	pg/L	1		1668C	Total/NA
PCB-52	280	B	200	0.77	pg/L	1		1668C	Total/NA
PCB-56	12	J	200	1.1	pg/L	1		1668C	Total/NA
PCB-59/62/75	1.8	J	590	0.56	pg/L	1		1668C	Total/NA
PCB-60	3.9	J	200	1.0	pg/L	1		1668C	Total/NA
PCB-61/70/74/76	96	J	790	0.99	pg/L	1		1668C	Total/NA
PCB-64	27	J	200	0.54	pg/L	1		1668C	Total/NA
PCB-66	24	J	200	1.0	pg/L	1		1668C	Total/NA
PCB-68	6.1	J	200	0.89	pg/L	1		1668C	Total/NA
PCB-77	2.4	J	20	1.1	pg/L	1		1668C	Total/NA
PCB-82	18	J	200	2.4	pg/L	1		1668C	Total/NA
PCB-84	67	J	200	2.2	pg/L	1		1668C	Total/NA
PCB-85/116/117	23	J	590	1.7	pg/L	1		1668C	Total/NA
PCB-86/87/97/108/119/125	110	J	1200	1.7	pg/L	1		1668C	Total/NA
PCB-88/91	24	J	390	1.9	pg/L	1		1668C	Total/NA
PCB-90/101/113	160	J B	590	1.8	pg/L	1		1668C	Total/NA
PCB-92	31	J	200	2.0	pg/L	1		1668C	Total/NA
PCB-107/124	4.0	J	390	1.6	pg/L	1		1668C	Total/NA
PCB-95	220	B	200	1.9	pg/L	1		1668C	Total/NA
PCB-96	1.8	J	200	0.47	pg/L	1		1668C	Total/NA
PCB-98/102	4.7	J	390	1.9	pg/L	1		1668C	Total/NA
PCB-99	53	J	200	1.6	pg/L	1		1668C	Total/NA
PCB-105	36		20	1.7	pg/L	1		1668C	Total/NA
PCB-110/115	210	J B	390	1.5	pg/L	1		1668C	Total/NA
PCB-109	5.9	J	200	1.5	pg/L	1		1668C	Total/NA
PCB-118	88	B	20	1.6	pg/L	1		1668C	Total/NA
PCB-128/166	11	J	390	0.73	pg/L	1		1668C	Total/NA
PCB-129/138/163	67	J B	590	0.78	pg/L	1		1668C	Total/NA
PCB-130	4.8	J	200	0.98	pg/L	1		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TMW-21 (013118) (Continued)

Lab Sample ID: 680-148310-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-132	28	J	200	0.89	pg/L	1		1668C	Total/NA
PCB-134/143	5.2	J	390	0.91	pg/L	1		1668C	Total/NA
PCB-135/151	22	J	390	0.82	pg/L	1		1668C	Total/NA
PCB-136	12	J	200	0.61	pg/L	1		1668C	Total/NA
PCB-137	3.0	J	200	0.73	pg/L	1		1668C	Total/NA
PCB-141	12	J	200	0.87	pg/L	1		1668C	Total/NA
PCB-144	3.7	J	200	0.80	pg/L	1		1668C	Total/NA
PCB-146	7.2	J	200	0.76	pg/L	1		1668C	Total/NA
PCB-147/149	55	J B	390	0.80	pg/L	1		1668C	Total/NA
PCB-153/168	45	J B	390	0.67	pg/L	1		1668C	Total/NA
PCB-156/157	7.3	J	39	0.73	pg/L	1		1668C	Total/NA
PCB-158	7.6	J	200	0.61	pg/L	1		1668C	Total/NA
PCB-164	5.3	J	200	0.72	pg/L	1		1668C	Total/NA
PCB-167	2.4	J	20	0.42	pg/L	1		1668C	Total/NA
PCB-169	0.57	J	20	0.47	pg/L	1		1668C	Total/NA
PCB-170	6.0	J	200	0.41	pg/L	1		1668C	Total/NA
PCB-171/173	2.2	J	390	0.42	pg/L	1		1668C	Total/NA
PCB-174	7.2	J	200	0.44	pg/L	1		1668C	Total/NA
PCB-176	0.90	J	200	0.63	pg/L	1		1668C	Total/NA
PCB-177	3.4	J	200	0.41	pg/L	1		1668C	Total/NA
PCB-178	1.3	J	200	0.91	pg/L	1		1668C	Total/NA
PCB-179	2.4	J	200	0.66	pg/L	1		1668C	Total/NA
PCB-180/193	12	J B	390	0.34	pg/L	1		1668C	Total/NA
PCB-183	4.6	J B	200	0.32	pg/L	1		1668C	Total/NA
PCB-187	6.7	J	200	0.82	pg/L	1		1668C	Total/NA
PCB-190	1.1	J	200	0.30	pg/L	1		1668C	Total/NA
PCB-194	1.9	J B	200	0.59	pg/L	1		1668C	Total/NA
PCB-198/199	1.8	J	390	0.55	pg/L	1		1668C	Total/NA
PCB-206	1.4	J	200	0.74	pg/L	1		1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	2300		200	20	pg/L	1		None	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TMW-21 (013118)

Lab Sample ID: 680-148310-1

Date Collected: 01/31/18 13:05

Matrix: Water

Date Received: 01/31/18 14:14

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**16**	**J**	200	0.94	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-2	**2.7**	**J**	200	0.75	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-3	**4.0**	**J**	200	0.78	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-4	15	U	200	15	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-5	6.1	U	200	6.1	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-6	6.4	U	200	6.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-7	6.1	U	200	6.1	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-8	6.3	U	200	6.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-9	6.4	U	200	6.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-10	10	U	200	10	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-11	**18**	**J**	200	6.2	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-12/13	6.1	U	390	6.1	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-14	5.4	U	200	5.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-15	6.1	U	200	6.1	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-16	**6.7**	**J**	200	2.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-17	**4.6**	**J**	200	1.7	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-18/30	**14**	**J**	390	1.5	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-19	**4.7**	**J**	200	2.0	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-20/28	**8.9**	**J**	390	1.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-21/33	**6.3**	**J**	390	1.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-22	**4.5**	**J**	200	1.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-23	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-24	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-25	**3.2**	**J**	200	1.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-26/29	1.3	U	390	1.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-27	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-31	**13**	**J**	200	1.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-32	**4.0**	**J**	200	1.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-34	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-35	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-36	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-37	1.5	U	200	1.5	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-38	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-39	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-40/71	**16**	**J**	390	0.76	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-41	0.89	U	200	0.89	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-42	**6.9**	**J**	200	0.83	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-43	0.91	U	200	0.91	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-44/47/65	**190**	**J B**	590	0.72	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-45	**4.0**	**J**	200	0.86	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-46	0.90	U	200	0.90	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-48	**3.9**	**J**	200	0.77	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-49/69	**38**	**J**	390	0.64	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-50/53	**9.6**	**J**	390	0.73	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-51	**15**	**J**	200	0.72	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-52	**280**	**B**	200	0.77	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-54	0.59	U	200	0.59	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-55	1.0	U	200	1.0	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-56	**12**	**J**	200	1.1	pg/L		02/15/18 11:24	02/21/18 17:38	1

Client Sample ID: TMW-21 (013118)

Lab Sample ID: 680-148310-1

Date Collected: 01/31/18 13:05

Matrix: Water

Date Received: 01/31/18 14:14

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	1.0	U	200	1.0	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-58	5.7	U	200	5.7	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-59/62/75	**1.8**	**J**	590	0.56	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-60	**3.9**	**J**	200	1.0	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-61/70/74/76	**96**	**J**	790	0.99	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-63	0.91	U	200	0.91	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-64	**27**	**J**	200	0.54	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-66	**24**	**J**	200	1.0	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-67	0.95	U	200	0.95	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-68	**6.1**	**J**	200	0.89	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-72	0.96	U	200	0.96	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-73	0.58	U	200	0.58	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-77	**2.4**	**J**	20	1.1	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-78	1.0	U	200	1.0	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-79	0.92	U	200	0.92	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-80	0.88	U	200	0.88	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-81	1.1	U	20	1.1	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-82	**18**	**J**	200	2.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-83	2.6	U	200	2.6	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-84	**67**	**J**	200	2.2	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-85/116/117	**23**	**J**	590	1.7	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-86/87/97/108/119/125	**110**	**J**	1200	1.7	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-88/91	**24**	**J**	390	1.9	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-89	2.1	U	200	2.1	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-90/101/113	**160**	**J B**	590	1.8	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-92	**31**	**J**	200	2.0	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-93/100	1.9	U	390	1.9	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-107/124	**4.0**	**J**	390	1.6	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-94	2.0	U	200	2.0	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-95	**220**	**B**	200	1.9	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-96	**1.8**	**J**	200	0.47	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-98/102	**4.7**	**J**	390	1.9	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-99	**53**	**J**	200	1.6	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-103	1.8	U	200	1.8	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-104	0.40	U	200	0.40	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-105	**36**		20	1.7	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-106	1.6	U	200	1.6	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-110/115	**210**	**J B**	390	1.5	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-109	**5.9**	**J**	200	1.5	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-111	1.5	U	200	1.5	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-112	1.6	U	200	1.6	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-114	1.7	U	20	1.7	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-118	**88**	**B**	20	1.6	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-120	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-121	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-122	1.7	U	200	1.7	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-123	1.7	U	20	1.7	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-126	1.8	U	20	1.8	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-127	1.6	U	200	1.6	pg/L		02/15/18 11:24	02/21/18 17:38	1

Client Sample ID: TMW-21 (013118)

Lab Sample ID: 680-148310-1

Date Collected: 01/31/18 13:05

Matrix: Water

Date Received: 01/31/18 14:14

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	**11**	**J**	390	0.73	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-129/138/163	**67**	**J B**	590	0.78	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-130	**4.8**	**J**	200	0.98	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-131	0.90	U	200	0.90	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-132	**28**	**J**	200	0.89	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-133	0.88	U	200	0.88	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-134/143	**5.2**	**J**	390	0.91	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-135/151	**22**	**J**	390	0.82	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-136	**12**	**J**	200	0.61	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-137	**3.0**	**J**	200	0.73	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-139/140	0.79	U	390	0.79	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-141	**12**	**J**	200	0.87	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-142	0.93	U	200	0.93	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-144	**3.7**	**J**	200	0.80	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-145	0.60	U	200	0.60	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-146	**7.2**	**J**	200	0.76	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-147/149	**55**	**J B**	390	0.80	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-148	0.79	U	200	0.79	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-150	0.56	U	200	0.56	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-152	0.58	U	200	0.58	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-153/168	**45**	**J B**	390	0.67	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-154	0.72	U	200	0.72	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-155	0.50	U	200	0.50	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-156/157	**7.3**	**J**	39	0.73	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-158	**7.6**	**J**	200	0.61	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-159	0.48	U	200	0.48	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-160	0.75	U	200	0.75	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-161	0.69	U	200	0.69	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-162	0.47	U	200	0.47	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-164	**5.3**	**J**	200	0.72	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-165	0.71	U	200	0.71	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-167	**2.4**	**J**	20	0.42	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-169	**0.57**	**J**	20	0.47	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-170	**6.0**	**J**	200	0.41	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-171/173	**2.2**	**J**	390	0.42	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-172	0.41	U	200	0.41	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-174	**7.2**	**J**	200	0.44	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-175	0.87	U	200	0.87	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-176	**0.90**	**J**	200	0.63	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-177	**3.4**	**J**	200	0.41	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-178	**1.3**	**J**	200	0.91	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-179	**2.4**	**J**	200	0.66	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-180/193	**12**	**J B**	390	0.34	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-181	0.37	U	200	0.37	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-182	0.82	U	200	0.82	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-183	**4.6**	**J B**	200	0.32	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-184	0.69	U	200	0.69	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-185	0.39	U	200	0.39	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-186	0.66	U	200	0.66	pg/L		02/15/18 11:24	02/21/18 17:38	1

Client Sample ID: TMW-21 (013118)

Lab Sample ID: 680-148310-1

Date Collected: 01/31/18 13:05

Matrix: Water

Date Received: 01/31/18 14:14

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	**6.7**	**J**	200	0.82	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-188	0.68	U	200	0.68	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-189	0.50	U	20	0.50	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-190	**1.1**	**J**	200	0.30	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-191	0.30	U	200	0.30	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-192	0.32	U	200	0.32	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-194	**1.9**	**J B**	200	0.59	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-195	0.63	U	200	0.63	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-196	0.52	U	200	0.52	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-197	0.36	U	200	0.36	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-198/199	**1.8**	**J**	390	0.55	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-200	0.44	U	200	0.44	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-201	0.40	U	200	0.40	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-202	0.46	U	200	0.46	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-203	0.52	U	200	0.52	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-204	0.41	U	200	0.41	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-205	0.46	U	200	0.46	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-206	**1.4**	**J**	200	0.74	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-207	0.56	U	200	0.56	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-208	0.65	U	200	0.65	pg/L		02/15/18 11:24	02/21/18 17:38	1
PCB-209	0.58	U	200	0.58	pg/L		02/15/18 11:24	02/21/18 17:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*66*		*5 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-3L	*73*		*5 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-4L	*66*		*5 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-15L	*82*		*5 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-19L	*78*		*5 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-37L	*87*		*5 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-54L	*67*		*5 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-77L	*88*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-81L	*89*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-104L	*84*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-105L	*90*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-114L	*89*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-118L	*89*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-123L	*88*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-126L	*92*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-155L	*82*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-156L/157L	*91*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-167L	*93*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-169L	*89*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-188L	*88*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-189L	*95*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-202L	*96*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-205L	*96*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-206L	*89*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-208L	*94*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-209L	*96*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Client Sample ID: TMW-21 (013118)

Lab Sample ID: 680-148310-1

Date Collected: 01/31/18 13:05
Matrix: Water
Date Received: 01/31/18 14:14

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*83*		*5 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-111L	*86*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*
PCB-178L	*89*		*10 - 145*	*02/15/18 11:24*	*02/21/18 17:38*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.17	U	10	0.17	pg/L		02/14/18 08:30	02/15/18 21:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*91*		*40 - 135*	*02/14/18 08:30*	*02/15/18 21:16*	*1*
13C-1,2,3,7,8-PeCDD	*87*		*40 - 135*	*02/14/18 08:30*	*02/15/18 21:16*	*1*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*	*02/14/18 08:30*	*02/15/18 21:16*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*88*		*40 - 135*	*02/14/18 08:30*	*02/15/18 21:16*	*1*
13C-OCDD	*87*		*40 - 135*	*02/14/18 08:30*	*02/15/18 21:16*	*1*
13C-2,3,7,8-TCDF	*95*		*40 - 135*	*02/14/18 08:30*	*02/15/18 21:16*	*1*
13C-1,2,3,7,8-PeCDF	*93*		*40 - 135*	*02/14/18 08:30*	*02/15/18 21:16*	*1*
13C-1,2,3,4,7,8-HxCDF	*78*		*40 - 135*	*02/14/18 08:30*	*02/15/18 21:16*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*90*		*40 - 135*	*02/14/18 08:30*	*02/15/18 21:16*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**2300**		200	20	pg/L			02/23/18 08:58	1

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Client Sample ID: TMW-21 (013118)

Lab Sample ID: 680-148310-1

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**2.4**	**J**	20	1.1	pg/L	0.0001	**0.00024**	1668C
PCB-81	1.1	U	20	1.1	pg/L	0.0003	0.00	1668C
PCB-105	**36**		20	1.7	pg/L	0.00003	**0.0011**	1668C
PCB-114	1.7	U	20	1.7	pg/L	0.00003	0.00	1668C
PCB-118	**88**	**B**	20	1.6	pg/L	0.00003	**0.0026**	1668C
PCB-123	1.7	U	20	1.7	pg/L	0.00003	0.00	1668C
PCB-126	1.8	U	20	1.8	pg/L	0.1	0.00	1668C
PCB-156/157	**7.3**	**J**	39	0.73	pg/L	0.00003	**0.00022**	1668C
PCB-167	**2.4**	**J**	20	0.42	pg/L	0.00003	**0.000072**	1668C
PCB-169	**0.57**	**J**	20	0.47	pg/L	0.03	**0.017**	1668C
PCB-189	0.50	U	20	0.50	pg/L	0.00003	0.00	1668C

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	2300		200	20	pg/L		0.021	None

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total PCB TEQ					pg/L		0.021	TEQ
Total TEQ					pg/L		0.021	TEQ

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Note: The analytes PCB-156 and PCB-157 coelute as a single peak.

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L	PCB111L	PCB178L
Lab Sample ID	Client Sample ID	(5-145)	(10-145)	(10-145)
680-148310-1	TMW-21 (013118)	83	86	89
MB 320-208578/1-A	Method Blank	80	82	84

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L	PCB111L	PCB178L
Lab Sample ID	Client Sample ID	(15-145)	(40-145)	(40-145)
LCS 320-208578/2-A	Lab Control Sample	70	76	80
LCSD 320-208578/3-A	Lab Control Sample Dup	80	79	85

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(10-145)
680-148310-1	TMW-21 (013118)	66	73	66	82	78	87	67	88
MB 320-208578/1-A	Method Blank	60	67	61	72	72	75	59	75

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	P114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-148310-1	TMW-21 (013118)	89	84	90	89	89	88	92	82
MB 320-208578/1-A	Method Blank	76	73	79	78	79	77	80	71

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		CB-156L/15	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L	PCB205L	PCB206L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-148310-1	TMW-21 (013118)	91	93	89	88	95	96	96	89
MB 320-208578/1-A	Method Blank	81	81	77	77	82	86	86	78

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PCB208L	PCB209L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)
680-148310-1	TMW-21 (013118)	94	96
MB 320-208578/1-A	Method Blank	82	83

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	**Client Sample ID**	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(40-145)
LCS 320-208578/2-A	Lab Control Sample	54	57	53	62	64	66	55	66
LCSD 320-208578/3-A	Lab Control Sample Dup	55	57	56	61	66	59	57	56

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	P114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-208578/2-A	Lab Control Sample	66	70	71	71	71	71	70	69
LCSD 320-208578/3-A	Lab Control Sample Dup	57	67	61	60	61	61	58	65

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		CB-156L/15	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L	PCB205L	PCB206L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-208578/2-A	Lab Control Sample	74	75	69	75	76	81	80	74
LCSD 320-208578/3-A	Lab Control Sample Dup	64	64	58	67	65	70	67	62

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PCB208L	PCB209L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)
LCS 320-208578/2-A	Lab Control Sample	77	79
LCSD 320-208578/3-A	Lab Control Sample Dup	66	66

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		TCDD	PeCDD	HxDD	HpCDD	OCDD	TCDF	PeCDF	HxCDF
Lab Sample ID	Client Sample ID	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)	(40-135)
680-148310-1	TMW-21 (013118)	91	87	90	88	87	95	93	78
LCS 320-208645/2-A	Lab Control Sample	96	95	90	75	71	100	101	82
LCSD 320-208645/3-A	Lab Control Sample Dup	97	93	96	78	73	100	100	80
MB 320-208645/1-A	Method Blank	92	88	90	70	67	97	95	77

		Percent Isotope Dilution Recovery (Acceptance Limits)
		HpCDF
Lab Sample ID	Client Sample ID	(40-135)
680-148310-1	TMW-21 (013118)	90
LCS 320-208645/2-A	Lab Control Sample	77
LCSD 320-208645/3-A	Lab Control Sample Dup	77
MB 320-208645/1-A	Method Blank	73

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
PeCDD = 13C-1,2,3,7,8-PeCDD
HxDD = 13C-1,2,3,6,7,8-HxCDD
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
OCDD = 13C-OCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDF = 13C-1,2,3,7,8-PeCDF
HxCDF = 13C-1,2,3,4,7,8-HxCDF
HpCDF = 13C-1,2,3,4,6,7,8-HpCDF

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-208578/1-A
Matrix: Water
Analysis Batch: 209473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208578

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.66	U	200	0.66	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-2	0.52	U	200	0.52	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-3	0.53	U	200	0.53	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-4	19	U	200	19	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-5	6.6	U	200	6.6	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-6	6.9	U	200	6.9	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-7	6.6	U	200	6.6	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-8	6.7	U	200	6.7	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-9	6.8	U	200	6.8	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-10	13	U	200	13	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-11	6.6	U	200	6.6	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-12/13	6.6	U	400	6.6	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-14	5.8	U	200	5.8	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-15	6.5	U	200	6.5	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-16	2.4	U	200	2.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-17	1.8	U	200	1.8	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-18/30	1.6	U	400	1.6	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-19	2.2	U	200	2.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-20/28	1.4	U	400	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-21/33	1.3	U	400	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-22	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-23	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-24	1.5	U	200	1.5	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-25	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-26/29	1.3	U	400	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-27	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-31	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-32	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-34	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-35	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-36	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-37	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-38	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-39	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-40/71	0.81	U	400	0.81	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-41	0.94	U	200	0.94	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-42	0.88	U	200	0.88	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-43	0.97	U	200	0.97	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-44/47/65	2.97	J	600	0.76	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-45	0.91	U	200	0.91	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-46	0.96	U	200	0.96	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-48	0.81	U	200	0.81	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-49/69	0.67	U	400	0.67	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-50/53	0.77	U	400	0.77	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-51	0.76	U	200	0.76	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-52	1.76	J	200	0.81	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-54	0.77	U	200	0.77	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-55	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-208578/1-A
Matrix: Water
Analysis Batch: 209473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208578

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-56	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-57	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-58	1.0	U	200	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-59/62/75	0.59	U	600	0.59	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-60	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-61/70/74/76	1.0	U	800	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-63	0.94	U	200	0.94	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-64	0.57	U	200	0.57	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-66	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-67	0.99	U	200	0.99	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-68	0.93	U	200	0.93	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-72	1.0	U	200	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-73	0.61	U	200	0.61	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-77	1.2	U	20	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-78	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-79	0.95	U	200	0.95	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-80	0.92	U	200	0.92	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-81	1.1	U	20	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-82	1.3	U	200	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-83	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-84	1.2	U	200	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-85/116/117	0.89	U	600	0.89	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-86/87/97/108/119/125	0.92	U	1200	0.92	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-88/91	1.0	U	400	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-89	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-90/101/113	2.66	J	600	0.94	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-92	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-93/100	1.0	U	400	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-107/124	0.82	U	400	0.82	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-94	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-95	1.82	J	200	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-96	0.58	U	200	0.58	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-98/102	0.99	U	400	0.99	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-99	0.87	U	200	0.87	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-103	0.93	U	200	0.93	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-104	0.51	U	200	0.51	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-105	0.93	U	20	0.93	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-106	0.85	U	200	0.85	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-110/115	2.77	J	400	0.82	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-109	0.77	U	200	0.77	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-111	0.80	U	200	0.80	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-112	0.83	U	200	0.83	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-114	0.89	U	20	0.89	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-118	2.54	J	20	0.83	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-120	0.76	U	200	0.76	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-121	0.76	U	200	0.76	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-122	0.89	U	200	0.89	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-123	0.89	U	20	0.89	pg/L		02/15/18 11:24	02/21/18 13:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-208578/1-A
Matrix: Water
Analysis Batch: 209473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208578

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	1.0	U	20	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-127	0.84	U	200	0.84	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-128/166	1.1	U	400	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-129/138/163	3.11	J	600	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-130	1.5	U	200	1.5	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-131	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-132	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-133	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-134/143	1.4	U	400	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-135/151	1.3	U	400	1.3	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-136	0.95	U	200	0.95	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-137	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-139/140	1.2	U	400	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-141	1.4	U	200	1.4	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-142	1.5	U	200	1.5	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-144	1.2	U	200	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-145	0.93	U	200	0.93	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-146	1.2	U	200	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-147/149	1.97	J	400	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-148	1.2	U	200	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-150	0.87	U	200	0.87	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-152	0.90	U	200	0.90	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-153/168	2.69	J	400	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-154	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-155	0.77	U	200	0.77	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-156/157	1.0	U	40	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-158	0.95	U	200	0.95	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-159	0.70	U	200	0.70	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-160	1.2	U	200	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-161	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-162	0.67	U	200	0.67	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-164	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-165	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-167	0.62	U	20	0.62	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-169	0.70	U	20	0.70	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-170	0.66	U	200	0.66	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-171/173	0.67	U	400	0.67	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-172	0.65	U	200	0.65	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-174	0.71	U	200	0.71	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-175	1.2	U	200	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-176	0.85	U	200	0.85	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-177	0.66	U	200	0.66	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-178	1.2	U	200	1.2	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-179	0.90	U	200	0.90	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-180/193	1.89	J	400	0.54	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-181	0.59	U	200	0.59	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-182	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-183	1.85	J	200	0.51	pg/L		02/15/18 11:24	02/21/18 13:53	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-208578/1-A
Matrix: Water
Analysis Batch: 209473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208578

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-184	0.94	U	200	0.94	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-185	0.62	U	200	0.62	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-186	0.90	U	200	0.90	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-187	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-188	0.87	U	200	0.87	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-189	0.72	U	20	0.72	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-190	0.48	U	200	0.48	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-191	0.48	U	200	0.48	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-192	0.51	U	200	0.51	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-194	1.58	J	200	0.79	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-195	0.83	U	200	0.83	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-196	1.0	U	200	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-197	0.72	U	200	0.72	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-198/199	1.1	U	400	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-200	0.87	U	200	0.87	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-201	0.78	U	200	0.78	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-202	0.89	U	200	0.89	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-203	1.0	U	200	1.0	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-204	0.81	U	200	0.81	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-205	1.25	J	200	0.62	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-206	1.1	U	200	1.1	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-207	0.83	U	200	0.83	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-208	0.95	U	200	0.95	pg/L		02/15/18 11:24	02/21/18 13:53	1
PCB-209	1.86	J	200	0.76	pg/L		02/15/18 11:24	02/21/18 13:53	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*60*		*5 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-3L	*67*		*5 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-4L	*61*		*5 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-15L	*72*		*5 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-19L	*72*		*5 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-37L	*75*		*5 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-54L	*59*		*5 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-77L	*75*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-81L	*76*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-104L	*73*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-105L	*79*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-114L	*78*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-118L	*79*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-123L	*77*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-126L	*80*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-155L	*71*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-156L/157L	*81*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-167L	*81*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-169L	*77*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-188L	*77*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-189L	*82*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*
PCB-202L	*86*		*10 - 145*	*02/15/18 11:24*	*02/21/18 13:53*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-208578/1-A
Matrix: Water
Analysis Batch: 209473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208578

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-205L	86		10 - 145	02/15/18 11:24	02/21/18 13:53	1
PCB-206L	78		10 - 145	02/15/18 11:24	02/21/18 13:53	1
PCB-208L	82		10 - 145	02/15/18 11:24	02/21/18 13:53	1
PCB-209L	83		10 - 145	02/15/18 11:24	02/21/18 13:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	80		5 - 145	02/15/18 11:24	02/21/18 13:53	1
PCB-111L	82		10 - 145	02/15/18 11:24	02/21/18 13:53	1
PCB-178L	84		10 - 145	02/15/18 11:24	02/21/18 13:53	1

Lab Sample ID: LCS 320-208578/2-A
Matrix: Water
Analysis Batch: 209473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	2000	2040		pg/L		102	60 - 135
PCB-3	2000	2090		pg/L		105	60 - 135
PCB-4	2000	2100		pg/L		105	60 - 135
PCB-15	2000	1980		pg/L		99	60 - 135
PCB-19	2000	2040		pg/L		102	60 - 135
PCB-37	2000	1910		pg/L		96	60 - 135
PCB-54	2000	2060		pg/L		103	60 - 135
PCB-77	2000	2030		pg/L		101	60 - 135
PCB-81	2000	2050		pg/L		103	60 - 135
PCB-104	2000	2160		pg/L		108	60 - 135
PCB-105	2000	2210		pg/L		111	60 - 135
PCB-114	2000	2170		pg/L		108	60 - 135
PCB-118	2000	2230		pg/L		111	60 - 135
PCB-123	2000	2170		pg/L		109	60 - 135
PCB-126	2000	2180		pg/L		109	60 - 135
PCB-155	2000	2050		pg/L		102	60 - 135
PCB-156/157	4000	4020		pg/L		101	60 - 135
PCB-167	2000	2000		pg/L		100	60 - 135
PCB-169	2000	2010		pg/L		101	60 - 135
PCB-188	2000	1950		pg/L		98	60 - 135
PCB-189	2000	1790		pg/L		90	60 - 135
PCB-202	2000	1960		pg/L		98	60 - 135
PCB-205	2000	1840		pg/L		92	60 - 135
PCB-206	2000	2040		pg/L		102	60 - 135
PCB-208	2000	2060		pg/L		103	60 - 135
PCB-209	2000	1980		pg/L		99	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	54		15 - 145
PCB-3L	57		15 - 145
PCB-4L	53		15 - 145
PCB-15L	62		15 - 145
PCB-19L	64		15 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-208578/2-A
Matrix: Water
Analysis Batch: 209473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208578

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-37L	*66*		*15 - 145*
PCB-54L	*55*		*15 - 145*
PCB-77L	*66*		*40 - 145*
PCB-81L	*66*		*40 - 145*
PCB-104L	*70*		*40 - 145*
PCB-105L	*71*		*40 - 145*
PCB-114L	*71*		*40 - 145*
PCB-118L	*71*		*40 - 145*
PCB-123L	*71*		*40 - 145*
PCB-126L	*70*		*40 - 145*
PCB-155L	*69*		*40 - 145*
PCB-156L/157L	*74*		*40 - 145*
PCB-167L	*75*		*40 - 145*
PCB-169L	*69*		*40 - 145*
PCB-188L	*75*		*40 - 145*
PCB-189L	*76*		*40 - 145*
PCB-202L	*81*		*40 - 145*
PCB-205L	*80*		*40 - 145*
PCB-206L	*74*		*40 - 145*
PCB-208L	*77*		*40 - 145*
PCB-209L	*79*		*40 - 145*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*70*		*15 - 145*
PCB-111L	*76*		*40 - 145*
PCB-178L	*80*		*40 - 145*

Lab Sample ID: LCSD 320-208578/3-A
Matrix: Water
Analysis Batch: 209473

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 208578

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			2000	2110		pg/L		105	60 - 135	3	50
PCB-3			2000	2150		pg/L		107	60 - 135	3	50
PCB-4			2000	2110		pg/L		105	60 - 135	0	50
PCB-15			2000	2000		pg/L		100	60 - 135	1	50
PCB-19			2000	2040		pg/L		102	60 - 135	0	50
PCB-37			2000	1940		pg/L		97	60 - 135	1	50
PCB-54			2000	2110		pg/L		106	60 - 135	2	50
PCB-77			2000	2030		pg/L		101	60 - 135	0	50
PCB-81			2000	2070		pg/L		103	60 - 135	1	50
PCB-104			2000	2170		pg/L		108	60 - 135	1	50
PCB-105			2000	2190		pg/L		109	60 - 135	1	50
PCB-114			2000	2190		pg/L		109	60 - 135	1	50
PCB-118			2000	2250		pg/L		112	60 - 135	1	50
PCB-123			2000	2220		pg/L		111	60 - 135	2	50
PCB-126			2000	2210		pg/L		111	60 - 135	1	50
PCB-155			2000	2070		pg/L		103	60 - 135	1	50

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-208578/3-A
Matrix: Water
Analysis Batch: 209473

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 208578

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-156/157			4000	4020		pg/L		101	60 - 135	0	50
PCB-167			2000	2010		pg/L		100	60 - 135	0	50
PCB-169			2000	2030		pg/L		101	60 - 135	1	50
PCB-188			2000	1960		pg/L		98	60 - 135	0	50
PCB-189			2000	1780		pg/L		89	60 - 135	1	50
PCB-202			2000	1980		pg/L		99	60 - 135	1	50
PCB-205			2000	1860		pg/L		93	60 - 135	1	50
PCB-206			2000	2040		pg/L		102	60 - 135	0	50
PCB-208			2000	2060		pg/L		103	60 - 135	0	50
PCB-209			2000	2020		pg/L		101	60 - 135	2	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*55*		*15 - 145*
PCB-3L	*57*		*15 - 145*
PCB-4L	*56*		*15 - 145*
PCB-15L	*61*		*15 - 145*
PCB-19L	*66*		*15 - 145*
PCB-37L	*59*		*15 - 145*
PCB-54L	*57*		*15 - 145*
PCB-77L	*56*		*40 - 145*
PCB-81L	*57*		*40 - 145*
PCB-104L	*67*		*40 - 145*
PCB-105L	*61*		*40 - 145*
PCB-114L	*60*		*40 - 145*
PCB-118L	*61*		*40 - 145*
PCB-123L	*61*		*40 - 145*
PCB-126L	*58*		*40 - 145*
PCB-155L	*65*		*40 - 145*
PCB-156L/157L	*64*		*40 - 145*
PCB-167L	*64*		*40 - 145*
PCB-169L	*58*		*40 - 145*
PCB-188L	*67*		*40 - 145*
PCB-189L	*65*		*40 - 145*
PCB-202L	*70*		*40 - 145*
PCB-205L	*67*		*40 - 145*
PCB-206L	*62*		*40 - 145*
PCB-208L	*66*		*40 - 145*
PCB-209L	*66*		*40 - 145*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*80*		*15 - 145*
PCB-111L	*79*		*40 - 145*
PCB-178L	*85*		*40 - 145*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-208645/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 208689 — **Prep Batch: 208645**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.28	U	10	0.28	pg/L		02/14/18 08:30	02/15/18 15:54	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*92*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,7,8-PeCDD	*88*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*70*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-OCDD	*67*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-2,3,7,8-TCDF	*97*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,7,8-PeCDF	*95*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,4,7,8-HxCDF	*77*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*73*		*40 - 135*	*02/14/18 08:30*	*02/15/18 15:54*	*1*

Lab Sample ID: LCS 320-208645/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 208689 — **Prep Batch: 208645**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	200	209		pg/L		104	64 - 142

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*96*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*95*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*75*		*40 - 135*
13C-OCDD	*71*		*40 - 135*
13C-2,3,7,8-TCDF	*100*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*101*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*82*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*77*		*40 - 135*

Lab Sample ID: LCSD 320-208645/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 208689 — **Prep Batch: 208645**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD	200	210		pg/L		105	64 - 142	1	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*97*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*93*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*96*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*78*		*40 - 135*
13C-OCDD	*73*		*40 - 135*
13C-2,3,7,8-TCDF	*100*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*100*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*77*		*40 - 135*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Specialty Organics

Prep Batch: 208578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-148310-1	TMW-21 (013118)	Total/NA	Water	HRMS-Sep	
MB 320-208578/1-A	Method Blank	Total/NA	Water	HRMS-Sep	
LCS 320-208578/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
LCSD 320-208578/3-A	Lab Control Sample Dup	Total/NA	Water	HRMS-Sep	

Prep Batch: 208645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-148310-1	TMW-21 (013118)	Total/NA	Water	8290	
MB 320-208645/1-A	Method Blank	Total/NA	Water	8290	
LCS 320-208645/2-A	Lab Control Sample	Total/NA	Water	8290	
LCSD 320-208645/3-A	Lab Control Sample Dup	Total/NA	Water	8290	

Analysis Batch: 208689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-148310-1	TMW-21 (013118)	Total/NA	Water	8290A	208645
MB 320-208645/1-A	Method Blank	Total/NA	Water	8290A	208645
LCS 320-208645/2-A	Lab Control Sample	Total/NA	Water	8290A	208645
LCSD 320-208645/3-A	Lab Control Sample Dup	Total/NA	Water	8290A	208645

Analysis Batch: 209473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-148310-1	TMW-21 (013118)	Total/NA	Water	1668C	208578
MB 320-208578/1-A	Method Blank	Total/NA	Water	1668C	208578
LCS 320-208578/2-A	Lab Control Sample	Total/NA	Water	1668C	208578
LCSD 320-208578/3-A	Lab Control Sample Dup	Total/NA	Water	1668C	208578

Analysis Batch: 209769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-148310-1	TMW-21 (013118)	Total/NA	Water	None	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Client Sample ID: TMW-21 (013118)

Lab Sample ID: 680-148310-1

Date Collected: 01/31/18 13:05

Matrix: Water

Date Received: 01/31/18 14:14

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sep			1015.3 mL	20.00 uL	208578	02/15/18 11:24	A1A	TAL SAC
Total/NA	Analysis	1668C		1			209473	02/21/18 17:38	KSS	TAL SAC
Total/NA	Prep	8290			992.1 mL	20 uL	208645	02/14/18 08:30	KQT	TAL SAC
Total/NA	Analysis	8290A		1			208689	02/15/18 21:16	ALM	TAL SAC
Total/NA	Analysis	None		1			209769	02/23/18 08:58	SHK	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
Phone: 912.354.7858 Fax:

Chain of Custody Record

235974

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andy Davis	Site Contact:	Date: 1/31/18	COC No:
Company Name: Arcadis	Tel/Fax: Andrew.Davis@arcadis.com	Lab Contact: Jerry Lanier	Carrier:	1 of 1 COCs
Address: 10 Patewood Dr. Ste 375	Analysis Turnaround Time			Sampler: B. Mayeux
City/State/Zip: Greenville/SC/29615	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: (864) 987-3900	TAT if different from Below Standard			Walk-in Client:
Fax: —	☐ 2 weeks			Lab Sampling:
Project Name: Ashland Savannah	☐ 1 week			
Site: Savannah, GA	☐ 2 days			Job / SDG No.:
PO# OH010000.GA61	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	1668C	8290A	8081B_8082A	Sample Specific Notes:
TMW-21(013118)	1/31/18	1305	G	WT	6	N	N	✓	✓		

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Arcadis	1/31/18			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
[signature]	TA Savannah	14:14			

0.8°C / 0.9 °C

680-148310 Chain of Custody

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-506696.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-148310-2
Address: 880 Riverside Parkway, ,	Due Date Requested: 2/16/2018			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	8290A/8290_P_Sep 17 Isomers & Totals	Total_PCB_Cong	Total_TEQ	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
TMW-21 (013118) (680-148310-1)	1/31/18	13:05 Eastern		Water			X	X	X	X	4	, run as straight as possible

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by: Spencer Edwards	Date/Time: 2/1/18 1700	Company: TASAV	Received by: [illegible]	Date/Time: 2/2/18 905	Company: TASAV
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 440050		Cooler Temperature(s) °C and Other Remarks: 1.8°		

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-148310-2

Login Number: 148310

List Source: TestAmerica Savannah

List Number: 1

Creator: Tyler, Matthew M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-148310-2

Login Number: 148310
List Number: 2
Creator: Aguayo, Alonso

List Source: TestAmerica Sacramento
List Creation: 02/03/18 03:37 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	440650
Sample custody seals, if present, are intact.	N/A	
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	1.8
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18 *
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-148310-2

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	10-31-18
L-A-B	DoD ELAP		L2468	01-20-21
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-14-18
Michigan	State Program	5	9947	01-31-18 *
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-18
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18 *
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-149100-1
Client Project/Site: Hercules Savannah / Savannah Resins Plan

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andrew Davis

Authorized for release by:
3/2/2018 4:13:24 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

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.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Job ID: 680-149100-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Hercules Savannah / Savannah Resins Plan

Report Number: 680-149100-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 02/20/2018; the samples arrived in good condition. The temperature of the coolers at receipt was 17.8 C.

CHLORINATED BIPHENYL CONGENERS
Sample TMW-19 (680-149100-1) was analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were prepared on 02/26/2018 and analyzed on 02/28/2018.

Several analytes were detected in method blank MB 320-210032/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)
Sample TMW-19 (680-149100-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 1668. The samples were analyzed on 03/02/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-149100-1	TMW-19	Water	02/20/18 12:40	02/20/18 13:30

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Method	Method Description	Protocol	Laboratory
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	TAL SAC
None	Total PCB Calculation from HRMS PCB-Congeners	TAL SOP	TAL SAC

Protocol References:

EPA = US Environmental Protection Agency

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Qualifiers

Dioxin

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
q	The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. The measured ion ratio does not meet qualitative identification criteria and indicates a possible interference.
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Client Sample ID: TMW-19

Lab Sample ID: 680-149100-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-1	2.1	J q	200	1.0	pg/L	1		1668C	Total/NA
PCB-2	1.3	J	200	0.76	pg/L	1		1668C	Total/NA
PCB-3	1.8	J	200	0.77	pg/L	1		1668C	Total/NA
PCB-17	4.7	J	200	1.5	pg/L	1		1668C	Total/NA
PCB-18/30	6.1	J	390	1.3	pg/L	1		1668C	Total/NA
PCB-20/28	14	J	390	1.6	pg/L	1		1668C	Total/NA
PCB-21/33	7.9	J	390	1.5	pg/L	1		1668C	Total/NA
PCB-31	8.3	J B	200	1.4	pg/L	1		1668C	Total/NA
PCB-32	6.2	J	200	1.1	pg/L	1		1668C	Total/NA
PCB-40/71	23	J B	390	0.61	pg/L	1		1668C	Total/NA
PCB-42	8.3	J	200	0.66	pg/L	1		1668C	Total/NA
PCB-44/47/65	170	J B	590	0.58	pg/L	1		1668C	Total/NA
PCB-46	3.3	J	200	0.72	pg/L	1		1668C	Total/NA
PCB-48	3.0	J	200	0.61	pg/L	1		1668C	Total/NA
PCB-49/69	56	J	390	0.51	pg/L	1		1668C	Total/NA
PCB-50/53	15	J	390	0.58	pg/L	1		1668C	Total/NA
PCB-51	25	J B	200	0.58	pg/L	1		1668C	Total/NA
PCB-52	170	J	200	0.62	pg/L	1		1668C	Total/NA
PCB-56	12	J	200	1.2	pg/L	1		1668C	Total/NA
PCB-59/62/75	2.6	J	590	0.45	pg/L	1		1668C	Total/NA
PCB-61/70/74/76	120	J B	790	1.1	pg/L	1		1668C	Total/NA
PCB-64	18	J	200	0.43	pg/L	1		1668C	Total/NA
PCB-66	49	J B	200	1.1	pg/L	1		1668C	Total/NA
PCB-68	6.3	J B	200	0.97	pg/L	1		1668C	Total/NA
PCB-77	3.7	J	20	1.2	pg/L	1		1668C	Total/NA
PCB-82	28	J	200	4.2	pg/L	1		1668C	Total/NA
PCB-84	76	J	200	3.9	pg/L	1		1668C	Total/NA
PCB-85/116/117	45	J	590	2.9	pg/L	1		1668C	Total/NA
PCB-86/87/97/108/119/125	190	J	1200	3.0	pg/L	1		1668C	Total/NA
PCB-88/91	38	J	390	3.3	pg/L	1		1668C	Total/NA
PCB-90/101/113	290	J B	590	3.1	pg/L	1		1668C	Total/NA
PCB-92	56	J	200	3.5	pg/L	1		1668C	Total/NA
PCB-107/124	10	J	390	2.7	pg/L	1		1668C	Total/NA
PCB-95	220	B	200	3.3	pg/L	1		1668C	Total/NA
PCB-96	1.8	J	200	0.33	pg/L	1		1668C	Total/NA
PCB-99	120	J	200	2.8	pg/L	1		1668C	Total/NA
PCB-105	110		20	3.0	pg/L	1		1668C	Total/NA
PCB-110/115	350	J B	390	2.7	pg/L	1		1668C	Total/NA
PCB-109	18	J	200	2.5	pg/L	1		1668C	Total/NA
PCB-118	280	B	20	2.8	pg/L	1		1668C	Total/NA
PCB-123	3.8	J	20	3.0	pg/L	1		1668C	Total/NA
PCB-128/166	57	J	390	1.5	pg/L	1		1668C	Total/NA
PCB-129/138/163	320	J B	590	1.6	pg/L	1		1668C	Total/NA
PCB-130	21	J	200	2.0	pg/L	1		1668C	Total/NA
PCB-131	4.3	J	200	1.8	pg/L	1		1668C	Total/NA
PCB-132	99	J	200	1.8	pg/L	1		1668C	Total/NA
PCB-134/143	16	J	390	1.9	pg/L	1		1668C	Total/NA
PCB-135/151	64	J	390	1.7	pg/L	1		1668C	Total/NA
PCB-136	30	J	200	1.2	pg/L	1		1668C	Total/NA
PCB-137	16	J	200	1.5	pg/L	1		1668C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: TMW-19 (Continued)

Lab Sample ID: 680-149100-1

Analyte	Result	Qualifier	RL	EDL	Unit	Dil Fac	D	Method	Prep Type
PCB-139/140	6.0	J	390	1.6	pg/L	1		1668C	Total/NA
PCB-141	44	J	200	1.8	pg/L	1		1668C	Total/NA
PCB-144	9.7	J	200	1.6	pg/L	1		1668C	Total/NA
PCB-146	31	J	200	1.5	pg/L	1		1668C	Total/NA
PCB-147/149	170	J B	390	1.6	pg/L	1		1668C	Total/NA
PCB-153/168	180	J B	390	1.4	pg/L	1		1668C	Total/NA
PCB-156/157	43		39	1.0	pg/L	1		1668C	Total/NA
PCB-158	34	J	200	1.2	pg/L	1		1668C	Total/NA
PCB-164	23	J	200	1.5	pg/L	1		1668C	Total/NA
PCB-167	12	J	20	0.60	pg/L	1		1668C	Total/NA
PCB-170	27	J B	200	0.40	pg/L	1		1668C	Total/NA
PCB-171/173	9.3	J	390	0.41	pg/L	1		1668C	Total/NA
PCB-172	4.1	J	200	0.40	pg/L	1		1668C	Total/NA
PCB-174	24	J B	200	0.44	pg/L	1		1668C	Total/NA
PCB-176	4.1	J	200	0.54	pg/L	1		1668C	Total/NA
PCB-177	13	J	200	0.41	pg/L	1		1668C	Total/NA
PCB-178	3.6	J	200	0.78	pg/L	1		1668C	Total/NA
PCB-179	8.4	J	200	0.57	pg/L	1		1668C	Total/NA
PCB-180/193	45	J B	390	0.33	pg/L	1		1668C	Total/NA
PCB-181	0.64	J	200	0.36	pg/L	1		1668C	Total/NA
PCB-183	12	J B	200	0.31	pg/L	1		1668C	Total/NA
PCB-185	1.7	J	200	0.38	pg/L	1		1668C	Total/NA
PCB-187	22	J B	200	0.70	pg/L	1		1668C	Total/NA
PCB-189	1.4	J	20	0.72	pg/L	1		1668C	Total/NA
PCB-190	5.4	J	200	0.29	pg/L	1		1668C	Total/NA
PCB-191	1.3	J	200	0.30	pg/L	1		1668C	Total/NA
PCB-194	6.3	J	200	0.71	pg/L	1		1668C	Total/NA
PCB-195	2.1	J	200	0.76	pg/L	1		1668C	Total/NA
PCB-196	3.4	J	200	0.52	pg/L	1		1668C	Total/NA
PCB-198/199	6.7	J	390	0.55	pg/L	1		1668C	Total/NA
PCB-201	0.85	J	200	0.40	pg/L	1		1668C	Total/NA
PCB-202	1.6	J	200	0.46	pg/L	1		1668C	Total/NA
PCB-203	4.5	J	200	0.52	pg/L	1		1668C	Total/NA
PCB-206	3.7	J	200	0.78	pg/L	1		1668C	Total/NA
PCB-208	1.4	J	200	0.71	pg/L	1		1668C	Total/NA
PCB-209	1.8	J	200	0.76	pg/L	1		1668C	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Polychlorinated biphenyls, Total	4000		200	20	pg/L	1		None	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Client Sample ID: TMW-19

Date Collected: 02/20/18 12:40
Date Received: 02/20/18 13:30

Lab Sample ID: 680-149100-1

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**2.1**	**J q**	200	1.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-2	**1.3**	**J**	200	0.76	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-3	**1.8**	**J**	200	0.77	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-4	13	U	200	13	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-5	4.4	U	200	4.4	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-6	4.6	U	200	4.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-7	4.4	U	200	4.4	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-8	4.5	U	200	4.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-9	4.6	U	200	4.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-10	9.2	U	200	9.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-11	4.4	U	200	4.4	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-12/13	4.4	U	390	4.4	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-14	3.9	U	200	3.9	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-15	4.5	U	200	4.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-16	2.0	U	200	2.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-17	**4.7**	**J**	200	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-18/30	**6.1**	**J**	390	1.3	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-19	1.6	U	200	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-20/28	**14**	**J**	390	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-21/33	**7.9**	**J**	390	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-22	1.6	U	200	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-23	1.5	U	200	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-24	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-25	1.5	U	200	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-26/29	1.5	U	390	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-27	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-31	**8.3**	**J B**	200	1.4	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-32	**6.2**	**J**	200	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-34	1.6	U	200	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-35	1.6	U	200	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-36	1.5	U	200	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-37	1.7	U	200	1.7	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-38	1.6	U	200	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-39	1.4	U	200	1.4	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-40/71	**23**	**J B**	390	0.61	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-41	0.71	U	200	0.71	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-42	**8.3**	**J**	200	0.66	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-43	0.73	U	200	0.73	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-44/47/65	**170**	**J B**	590	0.58	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-45	0.69	U	200	0.69	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-46	**3.3**	**J**	200	0.72	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-48	**3.0**	**J**	200	0.61	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-49/69	**56**	**J**	390	0.51	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-50/53	**15**	**J**	390	0.58	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-51	**25**	**J B**	200	0.58	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-52	**170**	**J**	200	0.62	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-54	0.55	U	200	0.55	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-55	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-56	**12**	**J**	200	1.2	pg/L		02/26/18 09:16	02/28/18 19:31	1

Client Sample ID: TMW-19

Lab Sample ID: 680-149100-1

Date Collected: 02/20/18 12:40

Matrix: Water

Date Received: 02/20/18 13:30

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-57	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-58	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-59/62/75	**2.6**	**J**	590	0.45	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-60	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-61/70/74/76	**120**	**J B**	790	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-63	0.98	U	200	0.98	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-64	**18**	**J**	200	0.43	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-66	**49**	**J B**	200	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-67	1.0	U	200	1.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-68	**6.3**	**J B**	200	0.97	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-72	1.0	U	200	1.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-73	0.46	U	200	0.46	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-77	**3.7**	**J**	20	1.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-78	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-79	0.99	U	200	0.99	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-80	0.96	U	200	0.96	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-81	1.2	U	20	1.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-82	**28**	**J**	200	4.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-83	4.6	U	200	4.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-84	**76**	**J**	200	3.9	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-85/116/117	**45**	**J**	590	2.9	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-86/87/97/108/119/125	**190**	**J**	1200	3.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-88/91	**38**	**J**	390	3.3	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-89	3.7	U	200	3.7	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-90/101/113	**290**	**J B**	590	3.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-92	**56**	**J**	200	3.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-93/100	3.3	U	390	3.3	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-107/124	**10**	**J**	390	2.7	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-94	3.5	U	200	3.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-95	**220**	**B**	200	3.3	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-96	**1.8**	**J**	200	0.33	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-98/102	3.2	U	390	3.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-99	**120**	**J**	200	2.8	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-103	3.1	U	200	3.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-104	0.27	U	200	0.27	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-105	**110**		20	3.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-106	2.8	U	200	2.8	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-110/115	**350**	**J B**	390	2.7	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-109	**18**	**J**	200	2.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-111	2.6	U	200	2.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-112	2.7	U	200	2.7	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-114	3.0	U	20	3.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-118	**280**	**B**	20	2.8	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-120	2.5	U	200	2.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-121	2.5	U	200	2.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-122	2.9	U	200	2.9	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-123	**3.8**	**J**	20	3.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-126	3.2	U	20	3.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-127	2.8	U	200	2.8	pg/L		02/26/18 09:16	02/28/18 19:31	1

Client Sample ID: TMW-19

Lab Sample ID: 680-149100-1

Date Collected: 02/20/18 12:40

Matrix: Water

Date Received: 02/20/18 13:30

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-128/166	57	J	390	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-129/138/163	320	J B	590	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-130	21	J	200	2.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-131	4.3	J	200	1.8	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-132	99	J	200	1.8	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-133	1.8	U	200	1.8	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-134/143	16	J	390	1.9	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-135/151	64	J	390	1.7	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-136	30	J	200	1.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-137	16	J	200	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-139/140	6.0	J	390	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-141	44	J	200	1.8	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-142	1.9	U	200	1.9	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-144	9.7	J	200	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-145	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-146	31	J	200	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-147/149	170	J B	390	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-148	1.6	U	200	1.6	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-150	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-152	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-153/168	180	J B	390	1.4	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-154	1.5	U	200	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-155	0.85	U	200	0.85	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-156/157	43		39	1.0	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-158	34	J	200	1.2	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-159	0.64	U	200	0.64	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-160	1.5	U	200	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-161	1.4	U	200	1.4	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-162	0.62	U	200	0.62	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-164	23	J	200	1.5	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-165	1.4	U	200	1.4	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-167	12	J	20	0.60	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-169	0.65	U	20	0.65	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-170	27	J B	200	0.40	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-171/173	9.3	J	390	0.41	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-172	4.1	J	200	0.40	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-174	24	J B	200	0.44	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-175	0.74	U	200	0.74	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-176	4.1	J	200	0.54	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-177	13	J	200	0.41	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-178	3.6	J	200	0.78	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-179	8.4	J	200	0.57	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-180/193	45	J B	390	0.33	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-181	0.64	J	200	0.36	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-182	0.70	U	200	0.70	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-183	12	J B	200	0.31	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-184	0.59	U	200	0.59	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-185	1.7	J	200	0.38	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-186	0.57	U	200	0.57	pg/L		02/26/18 09:16	02/28/18 19:31	1

Client Sample ID: TMW-19
Date Collected: 02/20/18 12:40
Date Received: 02/20/18 13:30

Lab Sample ID: 680-149100-1
Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-187	22	J B	200	0.70	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-188	0.52	U	200	0.52	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-189	1.4	J	20	0.72	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-190	5.4	J	200	0.29	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-191	1.3	J	200	0.30	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-192	0.31	U	200	0.31	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-194	6.3	J	200	0.71	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-195	2.1	J	200	0.76	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-196	3.4	J	200	0.52	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-197	0.36	U	200	0.36	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-198/199	6.7	J	390	0.55	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-200	0.44	U	200	0.44	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-201	0.85	J	200	0.40	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-202	1.6	J	200	0.46	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-203	4.5	J	200	0.52	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-204	0.41	U	200	0.41	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-205	0.55	U	200	0.55	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-206	3.7	J	200	0.78	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-207	0.60	U	200	0.60	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-208	1.4	J	200	0.71	pg/L		02/26/18 09:16	02/28/18 19:31	1
PCB-209	1.8	J	200	0.76	pg/L		02/26/18 09:16	02/28/18 19:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*63*		*5 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-3L	*75*		*5 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-4L	*73*		*5 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-15L	*83*		*5 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-19L	*94*		*5 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-37L	*79*		*5 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-54L	*73*		*5 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-77L	*86*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-81L	*88*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-104L	*90*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-105L	*89*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-114L	*86*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-118L	*87*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-123L	*86*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-126L	*89*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-155L	*91*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-156L/157L	*84*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-167L	*84*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-169L	*83*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-188L	*96*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-189L	*87*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-202L	*96*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-205L	*98*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-206L	*92*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-208L	*94*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-209L	*97*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Client Sample ID: TMW-19

Date Collected: 02/20/18 12:40
Date Received: 02/20/18 13:30

Lab Sample ID: 680-149100-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*79*		*5 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-111L	*85*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*
PCB-178L	*94*		*10 - 145*	*02/26/18 09:16*	*02/28/18 19:31*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**4000**		200	20	pg/L			03/02/18 06:11	1

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L	PCB111L	PCB178L
Lab Sample ID	Client Sample ID	(5-145)	(10-145)	(10-145)
680-149100-1	TMW-19	79	85	94
MB 320-210032/1-A	Method Blank	81	93	92

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		PCB28L	PCB111L	PCB178L
Lab Sample ID	Client Sample ID	(15-145)	(40-145)	(40-145)
LCS 320-210032/2-A	Lab Control Sample	81	89	93
LCSD 320-210032/3-A	Lab Control Sample Dup	85	96	98

Surrogate Legend

PCB28L = PCB-28L
PCB111L = PCB-111L
PCB178L = PCB-178L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	Client Sample ID	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(10-145)
680-149100-1	TMW-19	63	75	73	83	94	79	73	86
MB 320-210032/1-A	Method Blank	51	59	58	65	73	63	59	66

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	P114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-149100-1	TMW-19	88	90	89	86	87	86	89	91
MB 320-210032/1-A	Method Blank	67	75	74	72	72	72	76	63

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		CB-156L/15	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L	PCB205L	PCB206L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-149100-1	TMW-19	84	84	83	96	87	96	98	92
MB 320-210032/1-A	Method Blank	63	64	63	74	68	80	77	74

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PCB208L	PCB209L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)
680-149100-1	TMW-19	94	97
MB 320-210032/1-A	Method Blank	74	81

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB1L	PCB3L	PCB4L	PCB15L	PCB19L	PCB37L	PCB54L	PCB77L
Lab Sample ID	**Client Sample ID**	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(40-145)
LCS 320-210032/2-A	Lab Control Sample	67	76	74	82	93	81	78	82
LCSD 320-210032/3-A	Lab Control Sample Dup	60	71	70	80	87	81	74	84

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB81L	PCB104L	PCB105L	P114L	PCB118L	PCB123L	PCB126L	PCB155L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-210032/2-A	Lab Control Sample	84	94	91	89	89	89	94	81
LCSD 320-210032/3-A	Lab Control Sample Dup	84	94	92	90	91	90	94	82

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		CB-156L/15	PCB167L	PCB169L	PCB188L	PCB189L	PCB202L	PCB205L	PCB206L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-210032/2-A	Lab Control Sample	84	84	83	91	87	98	97	92
LCSD 320-210032/3-A	Lab Control Sample Dup	81	82	80	94	85	99	95	91

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PCB208L	PCB209L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)
LCS 320-210032/2-A	Lab Control Sample	94	101
LCSD 320-210032/3-A	Lab Control Sample Dup	91	99

Surrogate Legend

PCB1L = PCB-1L
PCB3L = PCB-3L
PCB4L = PCB-4L
PCB15L = PCB-15L
PCB19L = PCB-19L
PCB37L = PCB-37L
PCB54L = PCB-54L
PCB77L = PCB-77L
PCB81L = PCB-81L
PCB104L = PCB-104L
PCB105L = PCB-105L
P114L = PCB-114L
PCB118L = PCB-118L
PCB123L = PCB-123L
PCB126L = PCB-126L
PCB155L = PCB-155L
PCB-156L/157L = PCB-156L/157L
PCB167L = PCB-167L
PCB169L = PCB-169L
PCB188L = PCB-188L
PCB189L = PCB-189L
PCB202L = PCB-202L
PCB205L = PCB-205L
PCB206L = PCB-206L
PCB208L = PCB-208L
PCB209L = PCB-209L

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-210032/1-A
Matrix: Water
Analysis Batch: 210475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210032

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.95	U	200	0.95	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-2	0.72	U	200	0.72	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-3	0.72	U	200	0.72	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-4	18	U	200	18	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-5	5.9	U	200	5.9	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-6	6.1	U	200	6.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-7	5.9	U	200	5.9	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-8	6.0	U	200	6.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-9	6.1	U	200	6.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-10	13	U	200	13	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-11	5.9	U	200	5.9	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-12/13	5.9	U	400	5.9	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-14	5.2	U	200	5.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-15	6.0	U	200	6.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-16	2.6	U	200	2.6	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-17	2.0	U	200	2.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-18/30	1.7	U	400	1.7	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-19	2.2	U	200	2.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-20/28	1.2	U	400	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-21/33	1.2	U	400	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-22	1.3	U	200	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-23	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-24	1.6	U	200	1.6	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-25	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-26/29	1.2	U	400	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-27	1.5	U	200	1.5	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-31	1.86	J	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-32	1.4	U	200	1.4	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-34	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-35	1.3	U	200	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-36	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-37	1.3	U	200	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-38	1.3	U	200	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-39	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-40/71	1.35	J	400	0.71	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-41	0.84	U	200	0.84	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-42	0.78	U	200	0.78	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-43	0.85	U	200	0.85	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-44/47/65	8.61	J	600	0.68	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-45	0.81	U	200	0.81	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-46	0.85	U	200	0.85	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-48	0.72	U	200	0.72	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-49/69	0.59	U	400	0.59	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-50/53	0.68	U	400	0.68	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-51	1.25	J	200	0.67	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-52	0.72	U	200	0.72	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-54	0.62	U	200	0.62	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-55	0.77	U	200	0.77	pg/L		02/26/18 09:16	02/28/18 12:01	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-210032/1-A
Matrix: Water
Analysis Batch: 210475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210032

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-56	0.80	U	200	0.80	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-57	0.77	U	200	0.77	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-58	0.75	U	200	0.75	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-59/62/75	0.53	U	600	0.53	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-60	0.77	U	200	0.77	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-61/70/74/76	3.09	J	800	0.75	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-63	0.69	U	200	0.69	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-64	0.50	U	200	0.50	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-66	1.36	J	200	0.79	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-67	0.72	U	200	0.72	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-68	1.04	J	200	0.68	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-72	0.72	U	200	0.72	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-73	0.54	U	200	0.54	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-77	0.87	U	20	0.87	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-78	0.78	U	200	0.78	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-79	0.69	U	200	0.69	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-80	0.67	U	200	0.67	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-81	0.84	U	20	0.84	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-82	1.3	U	200	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-83	1.4	U	200	1.4	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-84	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-85/116/117	0.89	U	600	0.89	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-86/87/97/108/119/125	0.93	U	1200	0.93	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-88/91	1.0	U	400	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-89	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-90/101/113	4.70	J	600	0.94	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-92	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-93/100	1.0	U	400	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-107/124	0.83	U	400	0.83	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-94	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-95	2.95	J	200	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-96	0.66	U	200	0.66	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-98/102	0.99	U	400	0.99	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-99	0.87	U	200	0.87	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-103	0.94	U	200	0.94	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-104	0.53	U	200	0.53	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-105	0.94	U	20	0.94	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-106	0.85	U	200	0.85	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-110/115	4.13	J	400	0.82	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-109	0.78	U	200	0.78	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-111	0.80	U	200	0.80	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-112	0.83	U	200	0.83	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-114	0.92	U	20	0.92	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-118	4.05	J	20	0.88	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-120	0.76	U	200	0.76	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-121	0.76	U	200	0.76	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-122	0.90	U	200	0.90	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-123	0.91	U	20	0.91	pg/L		02/26/18 09:16	02/28/18 12:01	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-210032/1-A
Matrix: Water
Analysis Batch: 210475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210032

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-126	0.98	U	20	0.98	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-127	0.85	U	200	0.85	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-128/166	1.1	U	400	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-129/138/163	5.63	J	600	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-130	1.4	U	200	1.4	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-131	1.3	U	200	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-132	1.3	U	200	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-133	1.3	U	200	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-134/143	1.3	U	400	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-135/151	1.2	U	400	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-136	0.89	U	200	0.89	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-137	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-139/140	1.2	U	400	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-141	1.3	U	200	1.3	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-142	1.4	U	200	1.4	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-144	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-145	0.87	U	200	0.87	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-146	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-147/149	3.93	J	400	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-148	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-150	0.81	U	200	0.81	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-152	0.84	U	200	0.84	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-153/168	5.13	J	400	0.98	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-154	1.0	U	200	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-155	0.68	U	200	0.68	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-156/157	1.5	U	40	1.5	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-158	0.89	U	200	0.89	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-159	0.97	U	200	0.97	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-160	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-161	1.0	U	200	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-162	0.93	U	200	0.93	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-164	1.0	U	200	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-165	1.0	U	200	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-167	0.87	U	20	0.87	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-169	0.93	U	20	0.93	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-170	1.29	J	200	0.55	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-171/173	0.56	U	400	0.56	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-172	0.54	U	200	0.54	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-174	1.32	J	200	0.59	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-175	1.0	U	200	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-176	0.73	U	200	0.73	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-177	0.55	U	200	0.55	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-178	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-179	0.77	U	200	0.77	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-180/193	2.17	J	400	0.45	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-181	0.49	U	200	0.49	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-182	0.95	U	200	0.95	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-183	1.43	J	200	0.42	pg/L		02/26/18 09:16	02/28/18 12:01	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-210032/1-A
Matrix: Water
Analysis Batch: 210475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210032

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-184	0.81	U	200	0.81	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-185	0.52	U	200	0.52	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-186	0.77	U	200	0.77	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-187	1.55	J	200	0.96	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-188	0.72	U	200	0.72	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-189	1.0	U	20	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-190	0.40	U	200	0.40	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-191	0.40	U	200	0.40	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-192	0.42	U	200	0.42	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-194	0.99	U	200	0.99	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-195	1.0	U	200	1.0	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-196	1.4	U	200	1.4	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-197	0.98	U	200	0.98	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-198/199	1.5	U	400	1.5	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-200	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-201	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-202	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-203	1.4	U	200	1.4	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-204	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-205	0.79	U	200	0.79	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-206	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-207	0.94	U	200	0.94	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-208	1.1	U	200	1.1	pg/L		02/26/18 09:16	02/28/18 12:01	1
PCB-209	1.2	U	200	1.2	pg/L		02/26/18 09:16	02/28/18 12:01	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*51*		*5 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-3L	*59*		*5 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-4L	*58*		*5 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-15L	*65*		*5 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-19L	*73*		*5 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-37L	*63*		*5 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-54L	*59*		*5 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-77L	*66*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-81L	*67*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-104L	*75*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-105L	*74*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-114L	*72*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-118L	*72*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-123L	*72*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-126L	*76*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-155L	*63*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-156L/157L	*63*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-167L	*64*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-169L	*63*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-188L	*74*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-189L	*68*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*
PCB-202L	*80*		*10 - 145*	*02/26/18 09:16*	*02/28/18 12:01*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-210032/1-A
Matrix: Water
Analysis Batch: 210475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 210032

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-205L	77		10 - 145	02/26/18 09:16	02/28/18 12:01	1
PCB-206L	74		10 - 145	02/26/18 09:16	02/28/18 12:01	1
PCB-208L	74		10 - 145	02/26/18 09:16	02/28/18 12:01	1
PCB-209L	81		10 - 145	02/26/18 09:16	02/28/18 12:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	81		5 - 145	02/26/18 09:16	02/28/18 12:01	1
PCB-111L	93		10 - 145	02/26/18 09:16	02/28/18 12:01	1
PCB-178L	92		10 - 145	02/26/18 09:16	02/28/18 12:01	1

Lab Sample ID: LCS 320-210032/2-A
Matrix: Water
Analysis Batch: 210475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	2000	1960		pg/L		98	60 - 135
PCB-3	2000	2010		pg/L		101	60 - 135
PCB-4	2000	2060		pg/L		103	60 - 135
PCB-15	2000	1940		pg/L		97	60 - 135
PCB-19	2000	1940		pg/L		97	60 - 135
PCB-37	2000	1880		pg/L		94	60 - 135
PCB-54	2000	2030		pg/L		101	60 - 135
PCB-77	2000	2040		pg/L		102	60 - 135
PCB-81	2000	2000		pg/L		100	60 - 135
PCB-104	2000	1990		pg/L		100	60 - 135
PCB-105	2000	2150		pg/L		108	60 - 135
PCB-114	2000	2130		pg/L		107	60 - 135
PCB-118	2000	2190		pg/L		110	60 - 135
PCB-123	2000	2140		pg/L		107	60 - 135
PCB-126	2000	2140		pg/L		107	60 - 135
PCB-155	2000	2000		pg/L		100	60 - 135
PCB-156/157	4000	3890		pg/L		97	60 - 135
PCB-167	2000	1920		pg/L		96	60 - 135
PCB-169	2000	1970		pg/L		98	60 - 135
PCB-188	2000	1960		pg/L		98	60 - 135
PCB-189	2000	1770		pg/L		89	60 - 135
PCB-202	2000	1910		pg/L		95	60 - 135
PCB-205	2000	1830		pg/L		91	60 - 135
PCB-206	2000	1980		pg/L		99	60 - 135
PCB-208	2000	2030		pg/L		102	60 - 135
PCB-209	2000	1960		pg/L		98	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	67		15 - 145
PCB-3L	76		15 - 145
PCB-4L	74		15 - 145
PCB-15L	82		15 - 145
PCB-19L	93		15 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-210032/2-A
Matrix: Water
Analysis Batch: 210475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 210032

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-37L	*81*		*15 - 145*
PCB-54L	*78*		*15 - 145*
PCB-77L	*82*		*40 - 145*
PCB-81L	*84*		*40 - 145*
PCB-104L	*94*		*40 - 145*
PCB-105L	*91*		*40 - 145*
PCB-114L	*89*		*40 - 145*
PCB-118L	*89*		*40 - 145*
PCB-123L	*89*		*40 - 145*
PCB-126L	*94*		*40 - 145*
PCB-155L	*81*		*40 - 145*
PCB-156L/157L	*84*		*40 - 145*
PCB-167L	*84*		*40 - 145*
PCB-169L	*83*		*40 - 145*
PCB-188L	*91*		*40 - 145*
PCB-189L	*87*		*40 - 145*
PCB-202L	*98*		*40 - 145*
PCB-205L	*97*		*40 - 145*
PCB-206L	*92*		*40 - 145*
PCB-208L	*94*		*40 - 145*
PCB-209L	*101*		*40 - 145*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*81*		*15 - 145*
PCB-111L	*89*		*40 - 145*
PCB-178L	*93*		*40 - 145*

Lab Sample ID: LCSD 320-210032/3-A
Matrix: Water
Analysis Batch: 210475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 210032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1			2000	2060		pg/L		103	60 - 135	5	50
PCB-3			2000	2100		pg/L		105	60 - 135	4	50
PCB-4			2000	2130		pg/L		107	60 - 135	3	50
PCB-15			2000	1960		pg/L		98	60 - 135	1	50
PCB-19			2000	2060		pg/L		103	60 - 135	6	50
PCB-37			2000	1860		pg/L		93	60 - 135	1	50
PCB-54			2000	2080		pg/L		104	60 - 135	2	50
PCB-77			2000	1990		pg/L		99	60 - 135	3	50
PCB-81			2000	2000		pg/L		100	60 - 135	0	50
PCB-104			2000	2020		pg/L		101	60 - 135	1	50
PCB-105			2000	2130		pg/L		106	60 - 135	1	50
PCB-114			2000	2120		pg/L		106	60 - 135	0	50
PCB-118			2000	2170		pg/L		109	60 - 135	1	50
PCB-123			2000	2140		pg/L		107	60 - 135	0	50
PCB-126			2000	2140		pg/L		107	60 - 135	0	50
PCB-155			2000	1970		pg/L		98	60 - 135	2	50

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-210032/3-A
Matrix: Water
Analysis Batch: 210475

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 210032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-156/157			4000	3900		pg/L		97	60 - 135	0	50
PCB-167			2000	1940		pg/L		97	60 - 135	1	50
PCB-169			2000	1950		pg/L		98	60 - 135	1	50
PCB-188			2000	1920		pg/L		96	60 - 135	2	50
PCB-189			2000	1760		pg/L		88	60 - 135	0	50
PCB-202			2000	1900		pg/L		95	60 - 135	0	50
PCB-205			2000	1800		pg/L		90	60 - 135	1	50
PCB-206			2000	1980		pg/L		99	60 - 135	0	50
PCB-208			2000	2050		pg/L		102	60 - 135	1	50
PCB-209			2000	1950		pg/L		97	60 - 135	1	50

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-1L	*60*		*15 - 145*
PCB-3L	*71*		*15 - 145*
PCB-4L	*70*		*15 - 145*
PCB-15L	*80*		*15 - 145*
PCB-19L	*87*		*15 - 145*
PCB-37L	*81*		*15 - 145*
PCB-54L	*74*		*15 - 145*
PCB-77L	*84*		*40 - 145*
PCB-81L	*84*		*40 - 145*
PCB-104L	*94*		*40 - 145*
PCB-105L	*92*		*40 - 145*
PCB-114L	*90*		*40 - 145*
PCB-118L	*91*		*40 - 145*
PCB-123L	*90*		*40 - 145*
PCB-126L	*94*		*40 - 145*
PCB-155L	*82*		*40 - 145*
PCB-156L/157L	*81*		*40 - 145*
PCB-167L	*82*		*40 - 145*
PCB-169L	*80*		*40 - 145*
PCB-188L	*94*		*40 - 145*
PCB-189L	*85*		*40 - 145*
PCB-202L	*99*		*40 - 145*
PCB-205L	*95*		*40 - 145*
PCB-206L	*91*		*40 - 145*
PCB-208L	*91*		*40 - 145*
PCB-209L	*99*		*40 - 145*

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
PCB-28L	*85*		*15 - 145*
PCB-111L	*96*		*40 - 145*
PCB-178L	*98*		*40 - 145*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Specialty Organics

Prep Batch: 210032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-149100-1	TMW-19	Total/NA	Water	HRMS-Sep	
MB 320-210032/1-A	Method Blank	Total/NA	Water	HRMS-Sep	
LCS 320-210032/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
LCSD 320-210032/3-A	Lab Control Sample Dup	Total/NA	Water	HRMS-Sep	

Analysis Batch: 210475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-149100-1	TMW-19	Total/NA	Water	1668C	210032
MB 320-210032/1-A	Method Blank	Total/NA	Water	1668C	210032
LCS 320-210032/2-A	Lab Control Sample	Total/NA	Water	1668C	210032
LCSD 320-210032/3-A	Lab Control Sample Dup	Total/NA	Water	1668C	210032

Analysis Batch: 210847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-149100-1	TMW-19	Total/NA	Water	None	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Client Sample ID: TMW-19

Lab Sample ID: 680-149100-1

Date Collected: 02/20/18 12:40

Matrix: Water

Date Received: 02/20/18 13:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	HRMS-Sep			1017.2 mL	20.00 uL	210032	02/26/18 09:16	A1A	TAL SAC
Total/NA	Analysis	1668C		1			210475	02/28/18 19:31	KSS	TAL SAC
Total/NA	Analysis	None		1			210847	03/02/18 06:11	SHK	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Lanier, Jerry A	Carrier Tracking No(s):	COC No: 680-508952.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jerry.lanier@testamericainc.com	State of Origin: Georgia	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): State Program - Georgia		Job #: 680-149100-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 2/26/2018			
City: West Sacramento	TAT Requested (days):			
State, Zip: CA, 95605				
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah / Savannah Resins Plan	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, 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)	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	Total_PCB_Cong	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
TMW-19 (680-149100-1)	2/20/18	12:40 Eastern		Water			X	X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***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) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 2-20-18 / 1800	Company: TASAV	Received by:	Date/Time: 2/21/18 905	Company: TAusvc
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 915635		Cooler Temperature(s) °C and Other Remarks: 1.4°C		

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-149100-1

Login Number: 149100
List Number: 1
Creator: Tsui, Lee W

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-149100-1

Login Number: 149100
List Number: 2
Creator: Her, David A

List Source: TestAmerica Sacramento
List Creation: 02/21/18 05:47 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	915635
Sample custody seals, if present, are intact.	N/A	
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?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Laboratory: TestAmerica Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
	AFCEE		SAVLAB	
Alabama	State Program	4	41450	06-30-18
Alaska	State Program	10		06-30-18
Alaska (UST)	State Program	10	UST-104	09-22-19
Arizona	State Program	9	AZ0808	12-14-18
Arkansas DEQ	State Program	6	88-0692	02-01-19
California	State Program	9	2939	06-30-18
Colorado	State Program	8	N/A	12-31-18
Connecticut	State Program	1	PH-0161	03-31-19
Florida	NELAP	4	E87052	06-30-18
GA Dept. of Agriculture	State Program	4	N/A	06-12-18
Georgia	State Program	4	803	06-30-18
Guam	State Program	9	15-005r	04-16-18
Hawaii	State Program	9	N/A	06-30-18
Illinois	NELAP	5	200022	11-30-18
Indiana	State Program	5	N/A	06-30-18
Iowa	State Program	7	353	06-30-19
Kentucky (DW)	State Program	4	90084	12-31-18
Kentucky (UST)	State Program	4	18	06-30-18
Kentucky (WW)	State Program	4	90084	12-31-18 *
L-A-B	DoD ELAP		L2463	09-22-19
L-A-B	ISO/IEC 17025		L2463.01	09-22-19
Louisiana	NELAP	6	30690	06-30-18
Louisiana (DW)	NELAP	6	LA160019	12-31-18
Maine	State Program	1	GA00006	09-24-18
Maryland	State Program	3	250	12-31-18
Massachusetts	State Program	1	M-GA006	06-30-18
Michigan	State Program	5	9925	06-30-18
Mississippi	State Program	4	N/A	06-30-18
Nebraska	State Program	7	TestAmerica-Savannah	06-30-18
New Jersey	NELAP	2	GA769	06-30-18
New Mexico	State Program	6	N/A	06-30-18
New York	NELAP	2	10842	03-31-18 *
North Carolina (DW)	State Program	4	13701	07-31-18
North Carolina (WW/SW)	State Program	4	269	12-31-18
Oklahoma	State Program	6	9984	08-31-18
Pennsylvania	NELAP	3	68-00474	06-30-18
Puerto Rico	State Program	2	GA00006	12-31-18
South Carolina	State Program	4	98001	06-30-18
Tennessee	State Program	4	TN02961	06-30-18
Texas	NELAP	6	T104704185-16-9	11-30-18
Texas	State Program	6	T104704185	06-30-18
US Fish & Wildlife	Federal		LE058448-0	07-31-18
USDA	Federal		SAV 3-04	06-14-20 *
Virginia	NELAP	3	460161	06-14-18
Washington	State Program	10	C805	06-10-18
West Virginia (DW)	State Program	3	9950C	12-31-18
West Virginia DEP	State Program	3	094	06-30-18
Wisconsin	State Program	5	999819810	08-31-18
Wyoming	State Program	8	8TMS-L	06-30-16 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah / Savannah Resins Plan

TestAmerica Job ID: 680-149100-1

Laboratory: TestAmerica Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Alaska (UST)	State Program	10	17-020	01-20-21
Arizona	State Program	9	AZ0708	08-11-18
Arkansas DEQ	State Program	6	88-0691	06-17-18
California	State Program	9	2897	01-31-19
Colorado	State Program	8	CA00044	08-31-18
Connecticut	State Program	1	PH-0691	06-30-19
Florida	NELAP	4	E87570	06-30-18
Georgia	State Program	4	N/A	01-28-19
Hawaii	State Program	9	N/A	01-29-19
Illinois	NELAP	5	200060	03-17-18
Kansas	NELAP	7	E-10375	10-31-18
L-A-B	DoD ELAP		L2468	01-20-21
Louisiana	NELAP	6	30612	06-30-18
Maine	State Program	1	CA0004	04-14-18
Michigan	State Program	5	9947	01-31-18 *
Nevada	State Program	9	CA00044	07-31-18
New Hampshire	NELAP	1	2997	04-18-18
New Jersey	NELAP	2	CA005	06-30-18
New York	NELAP	2	11666	04-01-18
Oregon	NELAP	10	4040	01-29-19
Pennsylvania	NELAP	3	68-01272	03-31-18
Texas	NELAP	6	T104704399	05-31-18
US Fish & Wildlife	Federal		LE148388-0	07-31-18
USDA	Federal		P330-11-00436	01-17-21
USEPA UCMR	Federal	1	CA00044	11-06-18
Utah	NELAP	8	CA00044	02-28-18 *
Virginia	NELAP	3	460278	03-14-18
Washington	State Program	10	C581	05-05-18
West Virginia (DW)	State Program	3	9930C	12-31-18
Wyoming	State Program	8	8TMS-L	01-28-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

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: 680-152731-1
Client Project/Site: Ashland Savannah (Resins Plant)

For:
ARCADIS U.S., Inc.
10 Patewood Drive, Suite 375
Greenville, South Carolina 29615

Attn: Andy Davis

Authorized for release by:
5/31/2018 4:55:42 PM

Jerry Lanier, Project Manager I
(912)354-7858 e.3410
jerry.lanier@testamericainc.com

Table of Contents

Job ID: 680-152731-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ashland Savannah (Resins Plant)

Report Number: 680-152731-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT
The samples were received on 05/18/2018; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.3 C.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample SOIL-01 (051818) (680-152731-1) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8260B. The samples were leached on 05/25/2018 and analyzed on 05/31/2018.

Sample SOIL-01 (051818) (680-152731-1)[20X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Sample SOIL-01 (051818) (680-152731-1) was analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW846 Methods 1311 / 8270D. The samples were leached on 05/22/2018, prepared on 05/23/2018 and analyzed on 05/26/2018.

2-Fluorobiphenyl surrogate in the method blank for preparation batch 680-525014 and analytical batch 680-525545 recovered outside control limits. The associated sample with this method blank has passing surrogates and is non-detect for target analytes. Therefore the data has been reported. (MB 680-525014/16-A)

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (AQUEOUS)
Sample TMW-22 (051818) (680-152731-2) was analyzed for Semivolatile Organic Compounds (Aqueous) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 05/22/2018 and analyzed on 05/24/2018.

The following sample was diluted due to abundance of target analytes: TMW-22 (051818) (680-152731-2). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Sample TMW-22 (051818) (680-152731-2)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS
Sample SOIL-01 (051818) (680-152731-1) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 05/22/2018 and analyzed on 05/23/2018.

Job ID: 680-152731-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

METALS (ICP) - TCLP
Sample SOIL-01 (051818) (680-152731-1) was analyzed for Metals (ICP) - TCLP in accordance with EPA SW-846 Methods 1311/6010C. The samples were leached on 05/22/2018, prepared on 05/29/2018 and analyzed on 05/30/2018.

Silver failed the recovery criteria low for the MS of sample SOIL-01 (051818)MS (680-152731-1) in batch 680-525852. Arsenic failed the recovery criteria high.

For the MSD of sample SOIL-01 (051818)MSD (680-152731-1) in batch 680-525852, Silver failed the recovery criteria low. Arsenic and Selenium failed the recovery criteria high. Also, Arsenic, Selenium and Silver exceeded the RPD limit.

Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

MERCURY - TCLP
Sample SOIL-01 (051818) (680-152731-1) was analyzed for mercury - TCLP in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 05/22/2018, prepared on 05/23/2018 and analyzed on 05/25/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

IGNITABILITY FOR SOLIDS
Sample SOIL-01 (051818) (680-152731-1) was analyzed for ignitability for solids in accordance with EPA SW-846 Method 1030. The samples were analyzed on 05/29/2018.

The following sample did not ignite: SOIL-01 (051818) (680-152731-1); therefore, an ignitability value could not be obtained. The result has been reported as "No Burn" (NB).

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL CYANIDE
Sample SOIL-01 (051818) (680-152731-1) was analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 05/24/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TOTAL SULFIDE
Sample SOIL-01 (051818) (680-152731-1) was analyzed for total sulfide in accordance with EPA SW-846 Method 9034. The samples were prepared and analyzed on 05/21/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CORROSIVITY (PH)
Sample SOIL-01 (051818) (680-152731-1) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 05/22/2018.

This analysis is considered a field test and is to be performed within 15 minutes of collection. This sample(s) was performed in the laboratory outside the 15 minute timeframe.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 680-152731-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

PERCENT SOLIDS/MOISTURE

Sample SOIL-01 (051818) (680-152731-1) was analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 05/22/2018.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-152731-1	SOIL-01 (051818)	Solid	05/18/18 14:40	05/18/18 16:30
680-152731-2	TMW-22 (051818)	Water	05/18/18 15:50	05/18/18 16:30

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
6010C	Metals (ICP)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL SAV
1030	Ignitability, Solids	SW846	TAL SAV
9012B	Cyanide, Total andor Amenable	SW846	TAL SAV
9034	Sulfide, Acid Soluble and Insoluble (Titrimetric)	SW846	TAL SAV
9045D	pH	SW846	TAL SAV
Moisture	Percent Moisture	EPA	TAL SAV
1311	TCLP Extraction	SW846	TAL SAV
3010A	Preparation, Total Metals	SW846	TAL SAV
3520C	Liquid-Liquid Extraction (Continuous)	SW846	TAL SAV
3546	Microwave Extraction	SW846	TAL SAV
5030B	Purge and Trap	SW846	TAL SAV
7470A	Preparation, Mercury	SW846	TAL SAV
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL SAV
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	SW846	TAL SAV

Protocol References:

EPA = US Environmental Protection Agency

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 Semi VOA

Qualifier	Qualifier Description
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.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Client Sample ID: SOIL-01 (051818)

Lab Sample ID: 680-152731-1

Date Collected: 05/18/18 14:40
Matrix: Solid
Date Received: 05/18/18 16:30

Method: 8260B - Volatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.020		0.020		mg/L			05/31/18 01:33	20
2-Butanone (MEK)	<0.20		0.20		mg/L			05/31/18 01:33	20
Carbon tetrachloride	<0.020		0.020		mg/L			05/31/18 01:33	20
Chlorobenzene	<0.020		0.020		mg/L			05/31/18 01:33	20
Chloroform	<0.020		0.020		mg/L			05/31/18 01:33	20
1,4-Dichlorobenzene	<0.020		0.020		mg/L			05/31/18 01:33	20
1,2-Dichloroethane	<0.020		0.020		mg/L			05/31/18 01:33	20
1,1-Dichloroethene	<0.020		0.020		mg/L			05/31/18 01:33	20
Tetrachloroethene	<0.020		0.020		mg/L			05/31/18 01:33	20
Trichloroethene	<0.020		0.020		mg/L			05/31/18 01:33	20
Vinyl chloride	<0.020		0.020		mg/L			05/31/18 01:33	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*80 - 120*		*05/31/18 01:33*	*20*
Dibromofluoromethane (Surr)	*103*		*80 - 122*		*05/31/18 01:33*	*20*
1,2-Dichloroethane-d4 (Surr)	*106*		*73 - 131*		*05/31/18 01:33*	*20*
Toluene-d8 (Surr)	*98*		*80 - 120*		*05/31/18 01:33*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<0.049		0.049		mg/L		05/23/18 15:46	05/26/18 14:55	1
Hexachlorobenzene	<0.049		0.049		mg/L		05/23/18 15:46	05/26/18 14:55	1
Hexachlorobutadiene	<0.049		0.049		mg/L		05/23/18 15:46	05/26/18 14:55	1
Hexachloroethane	<0.049		0.049		mg/L		05/23/18 15:46	05/26/18 14:55	1
2-Methylphenol	<0.049		0.049		mg/L		05/23/18 15:46	05/26/18 14:55	1
3 & 4 Methylphenol	<0.049		0.049		mg/L		05/23/18 15:46	05/26/18 14:55	1
Nitrobenzene	<0.049		0.049		mg/L		05/23/18 15:46	05/26/18 14:55	1
Pentachlorophenol	<0.25		0.25		mg/L		05/23/18 15:46	05/26/18 14:55	1
Pyridine	<0.25		0.25		mg/L		05/23/18 15:46	05/26/18 14:55	1
2,4,5-Trichlorophenol	<0.049		0.049		mg/L		05/23/18 15:46	05/26/18 14:55	1
2,4,6-Trichlorophenol	<0.049		0.049		mg/L		05/23/18 15:46	05/26/18 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*38 - 130*	*05/23/18 15:46*	*05/26/18 14:55*	*1*
2-Fluorophenol (Surr)	*66*		*25 - 130*	*05/23/18 15:46*	*05/26/18 14:55*	*1*
Nitrobenzene-d5 (Surr)	*71*		*39 - 130*	*05/23/18 15:46*	*05/26/18 14:55*	*1*
Phenol-d5 (Surr)	*71*		*25 - 130*	*05/23/18 15:46*	*05/26/18 14:55*	*1*
Terphenyl-d14 (Surr)	*86*		*10 - 143*	*05/23/18 15:46*	*05/26/18 14:55*	*1*
2,4,6-Tribromophenol (Surr)	*88*		*31 - 141*	*05/23/18 15:46*	*05/26/18 14:55*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.20	F1 F2	0.20		mg/L		05/29/18 09:57	05/30/18 09:23	1
Barium	<1.0		1.0		mg/L		05/29/18 09:57	05/30/18 09:23	1
Cadmium	<0.10		0.10		mg/L		05/29/18 09:57	05/30/18 09:23	1
Chromium	<0.20		0.20		mg/L		05/29/18 09:57	05/30/18 09:23	1
Lead	**0.20**		0.20		mg/L		05/29/18 09:57	05/30/18 09:23	1
Selenium	<0.50	F1 F2	0.50		mg/L		05/29/18 09:57	05/30/18 09:23	1
Silver	<0.10	F1 F2	0.10		mg/L		05/29/18 09:57	05/30/18 09:23	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Client Sample ID: SOIL-01 (051818)

Lab Sample ID: 680-152731-1
Date Collected: 05/18/18 14:40
Matrix: Solid
Date Received: 05/18/18 16:30

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.020		0.020		mg/L		05/23/18 15:54	05/25/18 16:13	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	**NB**				mm/sec			05/29/18 13:16	1
pH	**8.1**	**HF**			SU			05/22/18 10:41	1

Client Sample ID: SOIL-01 (051818)

Lab Sample ID: 680-152731-1
Date Collected: 05/18/18 14:40
Matrix: Solid
Date Received: 05/18/18 16:30
Percent Solids: 88.5

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<36		36		ug/Kg	☼	05/22/18 14:25	05/23/18 21:44	1
PCB-1221	<36		36		ug/Kg	☼	05/22/18 14:25	05/23/18 21:44	1
PCB-1232	<36		36		ug/Kg	☼	05/22/18 14:25	05/23/18 21:44	1
PCB-1242	<36		36		ug/Kg	☼	05/22/18 14:25	05/23/18 21:44	1
PCB-1248	<36		36		ug/Kg	☼	05/22/18 14:25	05/23/18 21:44	1
PCB-1254	**780**		36		ug/Kg	☼	05/22/18 14:25	05/23/18 21:44	1
PCB-1260	**250**		36		ug/Kg	☼	05/22/18 14:25	05/23/18 21:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*91*		*54 - 133*	*05/22/18 14:25*	*05/23/18 21:44*	*1*
Tetrachloro-m-xylene	*98*		*46 - 130*	*05/22/18 14:25*	*05/23/18 21:44*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.55		0.55		mg/Kg	☼	05/24/18 04:00	05/24/18 10:54	1
Sulfide	<67		67		mg/Kg	☼	05/21/18 03:30	05/21/18 04:53	1

Client Sample ID: TMW-22 (051818)

Lab Sample ID: 680-152731-2
Date Collected: 05/18/18 15:50
Matrix: Water
Date Received: 05/18/18 16:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**840**		100		ug/L		05/22/18 14:47	05/24/18 15:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5 (Surr)	*0*	*D*	*32 - 118*	*05/22/18 14:47*	*05/24/18 15:23*	*10*
2-Fluorobiphenyl (Surr)	*0*	*D*	*32 - 113*	*05/22/18 14:47*	*05/24/18 15:23*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*10 - 126*	*05/22/18 14:47*	*05/24/18 15:23*	*10*
Phenol-d5 (Surr)	*0*	*D*	*27 - 110*	*05/22/18 14:47*	*05/24/18 15:23*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*26 - 109*	*05/22/18 14:47*	*05/24/18 15:23*	*10*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*39 - 124*	*05/22/18 14:47*	*05/24/18 15:23*	*10*

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-122)	(73-131)	(80-120)
LCS 680-525871/3	Lab Control Sample	101	104	102	99
LCSD 680-525871/4	Lab Control Sample Dup	101	104	99	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-122)	(73-131)	(80-120)
680-152731-1	SOIL-01 (051818)	98	103	106	98
LB 680-525462/1-A	Method Blank	99	104	108	99

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(38-130)	(25-130)	(39-130)	(25-130)	(10-143)	(31-141)
LCS 680-525014/19-A	Lab Control Sample	71	59	75	66	100	94
MB 680-525014/16-A	Method Blank	37 X	55	60	58	87	77

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(38-130)	(25-130)	(39-130)	(25-130)	(10-143)	(31-141)
680-152731-1	SOIL-01 (051818)	70	66	71	71	86	88
680-152731-1 MS	SOIL-01 (051818)	68	57	67	68	91	92
680-152731-1 MSD	SOIL-01 (051818)	72	66	72	76	103	97

Surrogate Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPHL	TBP
Lab Sample ID	Client Sample ID	(38-130)	(25-130)	(39-130)	(25-130)	(10-143)	(31-141)
LB 680-524851/1-B	Method Blank	75	71	81	74	100	94

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		NBZ	FBP	TPHL	PHL	2FP	TBP
Lab Sample ID	Client Sample ID	(32-118)	(32-113)	(10-126)	(27-110)	(26-109)	(39-124)
680-152731-2	TMW-22 (051818)	0 D	0 D	0 D	0 D	0 D	0 D
LCS 680-524894/6-A	Lab Control Sample	72	66	86	69	62	90
MB 680-524894/5-A	Method Blank	82	72	89	76	72	89

Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)
FBP = 2-Fluorobiphenyl (Surr)
TPHL = Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCBP2	TCX2
Lab Sample ID	Client Sample ID	(54-133)	(46-130)
680-152731-1	SOIL-01 (051818)	91	98
680-152731-1 MS	SOIL-01 (051818)	97	91
680-152731-1 MSD	SOIL-01 (051818)	94	90
LCS 680-524977/4-A	Lab Control Sample	97	86
MB 680-524977/3-A	Method Blank	100	87

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 680-525871/3
Matrix: Solid
Analysis Batch: 525871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0476		mg/L		95	80 - 120
2-Butanone (MEK)	0.250	0.259		mg/L		104	79 - 125
Carbon tetrachloride	0.0500	0.0551		mg/L		110	67 - 125
Chlorobenzene	0.0500	0.0497		mg/L		99	80 - 120
Chloroform	0.0500	0.0515		mg/L		103	80 - 120
1,4-Dichlorobenzene	0.0500	0.0502		mg/L		100	80 - 120
1,2-Dichloroethane	0.0500	0.0510		mg/L		102	72 - 128
1,1-Dichloroethene	0.0500	0.0493		mg/L		99	80 - 120
Tetrachloroethene	0.0500	0.0493		mg/L		99	71 - 123
Trichloroethene	0.0500	0.0504		mg/L		101	80 - 120
Vinyl chloride	0.0500	0.0493		mg/L		99	80 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 122*
1,2-Dichloroethane-d4 (Surr)	*102*		*73 - 131*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 680-525871/4
Matrix: Solid
Analysis Batch: 525871

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
Benzene	0.0500	0.0479		mg/L		96	80 - 120	1	20
2-Butanone (MEK)	0.250	0.248		mg/L		99	79 - 125	4	20
Carbon tetrachloride	0.0500	0.0557		mg/L		111	67 - 125	1	20
Chlorobenzene	0.0500	0.0501		mg/L		100	80 - 120	1	20
Chloroform	0.0500	0.0515		mg/L		103	80 - 120	0	20
1,4-Dichlorobenzene	0.0500	0.0510		mg/L		102	80 - 120	1	20
1,2-Dichloroethane	0.0500	0.0502		mg/L		100	72 - 128	2	50
1,1-Dichloroethene	0.0500	0.0492		mg/L		98	80 - 120	0	20
Tetrachloroethene	0.0500	0.0496		mg/L		99	71 - 123	1	20
Trichloroethene	0.0500	0.0506		mg/L		101	80 - 120	0	20
Vinyl chloride	0.0500	0.0493		mg/L		99	80 - 129	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 122*
1,2-Dichloroethane-d4 (Surr)	*99*		*73 - 131*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LB 680-525462/1-A
Matrix: Solid
Analysis Batch: 525871

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0010		0.0010		mg/L			05/30/18 22:31	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB 680-525462/1-A
Matrix: Solid
Analysis Batch: 525871

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	<0.010		0.010		mg/L			05/30/18 22:31	1
Carbon tetrachloride	<0.0010		0.0010		mg/L			05/30/18 22:31	1
Chlorobenzene	<0.0010		0.0010		mg/L			05/30/18 22:31	1
Chloroform	<0.0010		0.0010		mg/L			05/30/18 22:31	1
1,4-Dichlorobenzene	<0.0010		0.0010		mg/L			05/30/18 22:31	1
1,2-Dichloroethane	<0.0010		0.0010		mg/L			05/30/18 22:31	1
1,1-Dichloroethene	<0.0010		0.0010		mg/L			05/30/18 22:31	1
Tetrachloroethene	<0.0010		0.0010		mg/L			05/30/18 22:31	1
Trichloroethene	<0.0010		0.0010		mg/L			05/30/18 22:31	1
Vinyl chloride	<0.0010		0.0010		mg/L			05/30/18 22:31	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*		*05/30/18 22:31*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 122*		*05/30/18 22:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*73 - 131*		*05/30/18 22:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*05/30/18 22:31*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-524894/5-A
Matrix: Water
Analysis Batch: 525158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524894

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	<10		10		ug/L		05/22/18 14:47	05/23/18 20:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*72*		*32 - 113*	*05/22/18 14:47*	*05/23/18 20:03*	*1*
2-Fluorophenol (Surr)	*72*		*26 - 109*	*05/22/18 14:47*	*05/23/18 20:03*	*1*
Nitrobenzene-d5 (Surr)	*82*		*32 - 118*	*05/22/18 14:47*	*05/23/18 20:03*	*1*
Phenol-d5 (Surr)	*76*		*27 - 110*	*05/22/18 14:47*	*05/23/18 20:03*	*1*
Terphenyl-d14 (Surr)	*89*		*10 - 126*	*05/22/18 14:47*	*05/23/18 20:03*	*1*
2,4,6-Tribromophenol (Surr)	*89*		*39 - 124*	*05/22/18 14:47*	*05/23/18 20:03*	*1*

Lab Sample ID: LCS 680-524894/6-A
Matrix: Water
Analysis Batch: 525158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524894

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	100	79.7		ug/L		80	45 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*66*		*32 - 113*
2-Fluorophenol (Surr)	*62*		*26 - 109*
Nitrobenzene-d5 (Surr)	*72*		*32 - 118*
Phenol-d5 (Surr)	*69*		*27 - 110*
Terphenyl-d14 (Surr)	*86*		*10 - 126*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-524894/6-A
Matrix: Water
Analysis Batch: 525158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 524894

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*39 - 124*

Lab Sample ID: MB 680-525014/16-A
Matrix: Solid
Analysis Batch: 525545

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 525014

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<0.010		0.010		mg/L		05/23/18 15:46	05/26/18 11:25	1
Hexachlorobenzene	<0.010		0.010		mg/L		05/23/18 15:46	05/26/18 11:25	1
Hexachlorobutadiene	<0.010		0.010		mg/L		05/23/18 15:46	05/26/18 11:25	1
Hexachloroethane	<0.010		0.010		mg/L		05/23/18 15:46	05/26/18 11:25	1
2-Methylphenol	<0.010		0.010		mg/L		05/23/18 15:46	05/26/18 11:25	1
3 & 4 Methylphenol	<0.010		0.010		mg/L		05/23/18 15:46	05/26/18 11:25	1
Nitrobenzene	<0.010		0.010		mg/L		05/23/18 15:46	05/26/18 11:25	1
Pentachlorophenol	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:25	1
Pyridine	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:25	1
2,4,5-Trichlorophenol	<0.010		0.010		mg/L		05/23/18 15:46	05/26/18 11:25	1
2,4,6-Trichlorophenol	<0.010		0.010		mg/L		05/23/18 15:46	05/26/18 11:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*37*	*X*	*38 - 130*	*05/23/18 15:46*	*05/26/18 11:25*	*1*
2-Fluorophenol (Surr)	*55*		*25 - 130*	*05/23/18 15:46*	*05/26/18 11:25*	*1*
Nitrobenzene-d5 (Surr)	*60*		*39 - 130*	*05/23/18 15:46*	*05/26/18 11:25*	*1*
Phenol-d5 (Surr)	*58*		*25 - 130*	*05/23/18 15:46*	*05/26/18 11:25*	*1*
Terphenyl-d14 (Surr)	*87*		*10 - 143*	*05/23/18 15:46*	*05/26/18 11:25*	*1*
2,4,6-Tribromophenol (Surr)	*77*		*31 - 141*	*05/23/18 15:46*	*05/26/18 11:25*	*1*

Lab Sample ID: LCS 680-525014/19-A
Matrix: Solid
Analysis Batch: 525545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 525014

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	0.100	0.0943		mg/L		94	52 - 130
Hexachlorobenzene	0.100	0.0960		mg/L		96	43 - 130
Hexachlorobutadiene	0.100	0.0748		mg/L		75	27 - 130
Hexachloroethane	0.100	0.0634		mg/L		63	29 - 130
2-Methylphenol	0.100	0.0807		mg/L		81	40 - 130
3 & 4 Methylphenol	0.100	0.0827		mg/L		83	42 - 130
Nitrobenzene	0.100	0.0768		mg/L		77	43 - 130
Pentachlorophenol	0.200	0.215		mg/L		107	33 - 130
Pyridine	0.200	0.101		mg/L		50	10 - 130
2,4,5-Trichlorophenol	0.100	0.0911		mg/L		91	48 - 130
2,4,6-Trichlorophenol	0.100	0.0869		mg/L		87	47 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*71*		*38 - 130*
2-Fluorophenol (Surr)	*59*		*25 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-525014/19-A
Matrix: Solid
Analysis Batch: 525545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 525014

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*75*		*39 - 130*
Phenol-d5 (Surr)	*66*		*25 - 130*
Terphenyl-d14 (Surr)	*100*		*10 - 143*
2,4,6-Tribromophenol (Surr)	*94*		*31 - 141*

Lab Sample ID: LB 680-524851/1-B
Matrix: Solid
Analysis Batch: 525545

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 525014

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:49	1
Hexachlorobenzene	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:49	1
Hexachlorobutadiene	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:49	1
Hexachloroethane	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:49	1
2-Methylphenol	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:49	1
3 & 4 Methylphenol	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:49	1
Nitrobenzene	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:49	1
Pentachlorophenol	<0.25		0.25		mg/L		05/23/18 15:46	05/26/18 11:49	1
Pyridine	<0.25		0.25		mg/L		05/23/18 15:46	05/26/18 11:49	1
2,4,5-Trichlorophenol	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:49	1
2,4,6-Trichlorophenol	<0.050		0.050		mg/L		05/23/18 15:46	05/26/18 11:49	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*38 - 130*	*05/23/18 15:46*	*05/26/18 11:49*	*1*
2-Fluorophenol (Surr)	*71*		*25 - 130*	*05/23/18 15:46*	*05/26/18 11:49*	*1*
Nitrobenzene-d5 (Surr)	*81*		*39 - 130*	*05/23/18 15:46*	*05/26/18 11:49*	*1*
Phenol-d5 (Surr)	*74*		*25 - 130*	*05/23/18 15:46*	*05/26/18 11:49*	*1*
Terphenyl-d14 (Surr)	*100*		*10 - 143*	*05/23/18 15:46*	*05/26/18 11:49*	*1*
2,4,6-Tribromophenol (Surr)	*94*		*31 - 141*	*05/23/18 15:46*	*05/26/18 11:49*	*1*

Lab Sample ID: 680-152731-1 MS
Matrix: Solid
Analysis Batch: 525545

Client Sample ID: SOIL-01 (051818)
Prep Type: TCLP
Prep Batch: 525014

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	<0.049		0.500	0.470		mg/L		94	52 - 130
Hexachlorobenzene	<0.049		0.500	0.463		mg/L		93	43 - 130
Hexachlorobutadiene	<0.049		0.500	0.325		mg/L		65	27 - 130
Hexachloroethane	<0.049		0.500	0.278		mg/L		56	29 - 130
2-Methylphenol	<0.049		0.500	0.403		mg/L		81	40 - 130
3 & 4 Methylphenol	<0.049		0.500	0.399		mg/L		80	42 - 130
Nitrobenzene	<0.049		0.500	0.365		mg/L		73	43 - 130
Pentachlorophenol	<0.25		1.00	1.04		mg/L		104	33 - 130
Pyridine	<0.25		1.00	0.620		mg/L		62	10 - 130
2,4,5-Trichlorophenol	<0.049		0.500	0.459		mg/L		92	48 - 130
2,4,6-Trichlorophenol	<0.049		0.500	0.457		mg/L		91	47 - 130

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-152731-1 MS
Matrix: Solid
Analysis Batch: 525545

Client Sample ID: SOIL-01 (051818)
Prep Type: TCLP
Prep Batch: 525014

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*68*		*38 - 130*
2-Fluorophenol (Surr)	*57*		*25 - 130*
Nitrobenzene-d5 (Surr)	*67*		*39 - 130*
Phenol-d5 (Surr)	*68*		*25 - 130*
Terphenyl-d14 (Surr)	*91*		*10 - 143*
2,4,6-Tribromophenol (Surr)	*92*		*31 - 141*

Lab Sample ID: 680-152731-1 MSD
Matrix: Solid
Analysis Batch: 525545

Client Sample ID: SOIL-01 (051818)
Prep Type: TCLP
Prep Batch: 525014

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrotoluene	<0.049		0.490	0.461		mg/L		94	52 - 130	2	50
Hexachlorobenzene	<0.049		0.490	0.475		mg/L		97	43 - 130	2	50
Hexachlorobutadiene	<0.049		0.490	0.353		mg/L		72	27 - 130	8	50
Hexachloroethane	<0.049		0.490	0.311		mg/L		63	29 - 130	11	50
2-Methylphenol	<0.049		0.490	0.422		mg/L		86	40 - 130	5	50
3 & 4 Methylphenol	<0.049		0.490	0.428		mg/L		87	42 - 130	7	50
Nitrobenzene	<0.049		0.490	0.380		mg/L		78	43 - 130	4	50
Pentachlorophenol	<0.25		0.981	1.07		mg/L		109	33 - 130	2	50
Pyridine	<0.25		0.981	0.709		mg/L		72	10 - 130	14	50
2,4,5-Trichlorophenol	<0.049		0.490	0.466		mg/L		95	48 - 130	2	50
2,4,6-Trichlorophenol	<0.049		0.490	0.457		mg/L		93	47 - 130	0	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*72*		*38 - 130*
2-Fluorophenol (Surr)	*66*		*25 - 130*
Nitrobenzene-d5 (Surr)	*72*		*39 - 130*
Phenol-d5 (Surr)	*76*		*25 - 130*
Terphenyl-d14 (Surr)	*103*		*10 - 143*
2,4,6-Tribromophenol (Surr)	*97*		*31 - 141*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-524977/3-A
Matrix: Solid
Analysis Batch: 525115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 524977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<33		33		ug/Kg		05/22/18 14:25	05/23/18 21:01	1
PCB-1221	<33		33		ug/Kg		05/22/18 14:25	05/23/18 21:01	1
PCB-1232	<33		33		ug/Kg		05/22/18 14:25	05/23/18 21:01	1
PCB-1242	<33		33		ug/Kg		05/22/18 14:25	05/23/18 21:01	1
PCB-1248	<33		33		ug/Kg		05/22/18 14:25	05/23/18 21:01	1
PCB-1254	<33		33		ug/Kg		05/22/18 14:25	05/23/18 21:01	1
PCB-1260	<33		33		ug/Kg		05/22/18 14:25	05/23/18 21:01	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-524977/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525115 — **Prep Batch: 524977**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		54 - 133	05/22/18 14:25	05/23/18 21:01	1
Tetrachloro-m-xylene	87		46 - 130	05/22/18 14:25	05/23/18 21:01	1

Lab Sample ID: LCS 680-524977/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525115 — **Prep Batch: 524977**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	377	318		ug/Kg		84	43 - 130
PCB-1260	377	399		ug/Kg		106	45 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	97		54 - 133
Tetrachloro-m-xylene	86		46 - 130

Lab Sample ID: 680-152731-1 MS — **Client Sample ID: SOIL-01 (051818)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525115 — **Prep Batch: 524977**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	<36		443	371		ug/Kg	☼	84	43 - 130
PCB-1260	250		443	504		ug/Kg	☼	57	45 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	97		54 - 133
Tetrachloro-m-xylene	91		46 - 130

Lab Sample ID: 680-152731-1 MSD — **Client Sample ID: SOIL-01 (051818)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525115 — **Prep Batch: 524977**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	<36		443	349		ug/Kg	☼	79	43 - 130	6	50
PCB-1260	250		443	501		ug/Kg	☼	56	45 - 130	1	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	94		54 - 133
Tetrachloro-m-xylene	90		46 - 130

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 680-525685/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525852 — **Prep Batch: 525685**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.020		0.020		mg/L		05/29/18 09:57	05/30/18 09:08	1
Barium	<0.10		0.10		mg/L		05/29/18 09:57	05/30/18 09:08	1
Cadmium	<0.010		0.010		mg/L		05/29/18 09:57	05/30/18 09:08	1
Chromium	<0.020		0.020		mg/L		05/29/18 09:57	05/30/18 09:08	1
Lead	<0.020		0.020		mg/L		05/29/18 09:57	05/30/18 09:08	1
Selenium	<0.050		0.050		mg/L		05/29/18 09:57	05/30/18 09:08	1
Silver	<0.010		0.010		mg/L		05/29/18 09:57	05/30/18 09:08	1

Lab Sample ID: LCS 680-525685/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525852 — **Prep Batch: 525685**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	2.14		mg/L		107	80 - 120
Barium	2.00	2.13		mg/L		106	80 - 120
Cadmium	1.00	1.04		mg/L		104	80 - 120
Chromium	2.00	2.14		mg/L		107	80 - 120
Lead	10.0	10.3		mg/L		103	80 - 120
Selenium	2.00	2.13		mg/L		106	80 - 120
Silver	1.00	1.07		mg/L		107	80 - 120

Lab Sample ID: LB 680-524851/1-D — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 525852 — **Prep Batch: 525685**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.20		0.20		mg/L		05/29/18 09:57	05/30/18 09:18	1
Barium	<1.0		1.0		mg/L		05/29/18 09:57	05/30/18 09:18	1
Cadmium	<0.10		0.10		mg/L		05/29/18 09:57	05/30/18 09:18	1
Chromium	<0.20		0.20		mg/L		05/29/18 09:57	05/30/18 09:18	1
Lead	<0.20		0.20		mg/L		05/29/18 09:57	05/30/18 09:18	1
Selenium	<0.50		0.50		mg/L		05/29/18 09:57	05/30/18 09:18	1
Silver	<0.10		0.10		mg/L		05/29/18 09:57	05/30/18 09:18	1

Lab Sample ID: 680-152731-1 MS — **Client Sample ID: SOIL-01 (051818)**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 525852 — **Prep Batch: 525685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<0.20	F1 F2	1.60	2.23	F1	mg/L		139	75 - 125
Barium	<1.0		1.60	1.66		mg/L		104	75 - 125
Cadmium	<0.10		1.60	1.50		mg/L		94	75 - 125
Chromium	<0.20		1.60	1.55		mg/L		97	75 - 125
Lead	0.20		1.60	1.66		mg/L		92	75 - 125
Selenium	<0.50	F1 F2	1.60	1.60		mg/L		100	75 - 125
Silver	<0.10	F1 F2	1.60	0.142	F1	mg/L		9	75 - 125

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 680-152731-1 MSD — **Client Sample ID: SOIL-01 (051818)**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 525852 — **Prep Batch: 525685**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	<0.20	F1 F2	1.60	3.46	F1 F2	mg/L		216	75 - 125	43	20
Barium	<1.0		1.60	1.63		mg/L		102	75 - 125	1	20
Cadmium	<0.10		1.60	1.48		mg/L		92	75 - 125	2	20
Chromium	<0.20		1.60	1.53		mg/L		95	75 - 125	1	20
Lead	0.20		1.60	1.64		mg/L		90	75 - 125	1	20
Selenium	<0.50	F1 F2	1.60	2.09	F1 F2	mg/L		131	75 - 125	27	20
Silver	<0.10	F1 F2	1.60	0.575	F1 F2	mg/L		36	75 - 125	121	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 680-525192/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525708 — **Prep Batch: 525192**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00020		0.00020		mg/L		05/23/18 15:54	05/25/18 16:04	1

Lab Sample ID: LCS 680-525192/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525708 — **Prep Batch: 525192**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.250	0.241		mg/L		97	80 - 120

Lab Sample ID: LB 680-524851/1-C — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 525708 — **Prep Batch: 525192**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.020		0.020		mg/L		05/23/18 15:54	05/25/18 16:10	1

Lab Sample ID: 680-152731-1 MS — **Client Sample ID: SOIL-01 (051818)**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 525708 — **Prep Batch: 525192**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	<0.020		0.0830	0.0787		mg/L		95	80 - 120

Lab Sample ID: 680-152731-1 MSD — **Client Sample ID: SOIL-01 (051818)**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 525708 — **Prep Batch: 525192**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.020		0.0830	0.0779		mg/L		94	80 - 120	1	20

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Method: 1030 - Ignitability, Solids

Lab Sample ID: MB 680-525724/1 — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525724

Analyte	MB Result	MB Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
Ignitability	NB				mm/sec			05/29/18 13:16	1

Lab Sample ID: LCS 680-525724/2 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525724

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ignitability			3.13	3.127		mm/sec		100	75 - 125		

Lab Sample ID: LCSD 680-525724/10 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525724

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ignitability			3.05	3.045		mm/sec		100	75 - 125	3	10

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 680-525221/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525312 — **Prep Batch: 525221**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	<0.50		0.50		mg/Kg		05/24/18 04:00	05/24/18 10:51	1

Lab Sample ID: LCS 680-525221/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525312 — **Prep Batch: 525221**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total			5.00	4.91		mg/Kg		98	75 - 125		

Lab Sample ID: 680-152731-1 MS — **Client Sample ID: SOIL-01 (051818)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525312 — **Prep Batch: 525221**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cyanide, Total	<0.55		5.48	5.39		mg/Kg	☼	98	75 - 125		

Lab Sample ID: 680-152731-1 MSD — **Client Sample ID: SOIL-01 (051818)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 525312 — **Prep Batch: 525221**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide, Total	<0.55		5.48	5.35		mg/Kg	☼	98	75 - 125	1	30

Method: 9034 - Sulfide, Acid Soluble and Insoluble (Titrimetric)

Lab Sample ID: MB 680-524667/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 524669 — **Prep Batch: 524667**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide	<60		60		mg/Kg		05/21/18 03:30	05/21/18 04:53	1

Lab Sample ID: LCS 680-524667/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 524669 — **Prep Batch: 524667**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Sulfide			1250	1260		mg/Kg		101	50 - 150		

Lab Sample ID: LCSD 680-524667/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 524669 — **Prep Batch: 524667**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfide			1250	1250		mg/Kg		100	50 - 150	1	50

Method: 9045D - pH

Lab Sample ID: LCS 680-524911/1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 524911

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	7.0		SU		100	79 - 126		

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

GC/MS VOA

Leach Batch: 525462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	1311	
LB 680-525462/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 525871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	8260B	525462
LB 680-525462/1-A	Method Blank	TCLP	Solid	8260B	525462
LCS 680-525871/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 680-525871/4	Lab Control Sample Dup	Total/NA	Solid	8260B	

GC/MS Semi VOA

Leach Batch: 524851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	1311	
LB 680-524851/1-B	Method Blank	TCLP	Solid	1311	
680-152731-1 MS	SOIL-01 (051818)	TCLP	Solid	1311	
680-152731-1 MSD	SOIL-01 (051818)	TCLP	Solid	1311	

Prep Batch: 524894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-2	TMW-22 (051818)	Total/NA	Water	3520C	
MB 680-524894/5-A	Method Blank	Total/NA	Water	3520C	
LCS 680-524894/6-A	Lab Control Sample	Total/NA	Water	3520C	

Prep Batch: 525014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	3520C	524851
LB 680-524851/1-B	Method Blank	TCLP	Solid	3520C	524851
MB 680-525014/16-A	Method Blank	Total/NA	Solid	3520C	
LCS 680-525014/19-A	Lab Control Sample	Total/NA	Solid	3520C	
680-152731-1 MS	SOIL-01 (051818)	TCLP	Solid	3520C	524851
680-152731-1 MSD	SOIL-01 (051818)	TCLP	Solid	3520C	524851

Analysis Batch: 525158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-524894/5-A	Method Blank	Total/NA	Water	8270D	524894
LCS 680-524894/6-A	Lab Control Sample	Total/NA	Water	8270D	524894

Analysis Batch: 525325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-2	TMW-22 (051818)	Total/NA	Water	8270D	524894

Analysis Batch: 525545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	8270D	525014
LB 680-524851/1-B	Method Blank	TCLP	Solid	8270D	525014
MB 680-525014/16-A	Method Blank	Total/NA	Solid	8270D	525014
LCS 680-525014/19-A	Lab Control Sample	Total/NA	Solid	8270D	525014
680-152731-1 MS	SOIL-01 (051818)	TCLP	Solid	8270D	525014

GC/MS Semi VOA (Continued)

Analysis Batch: 525545 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1 MSD	SOIL-01 (051818)	TCLP	Solid	8270D	525014

GC Semi VOA

Prep Batch: 524977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	Total/NA	Solid	3546	
MB 680-524977/3-A	Method Blank	Total/NA	Solid	3546	
LCS 680-524977/4-A	Lab Control Sample	Total/NA	Solid	3546	
680-152731-1 MS	SOIL-01 (051818)	Total/NA	Solid	3546	
680-152731-1 MSD	SOIL-01 (051818)	Total/NA	Solid	3546	

Analysis Batch: 525115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	Total/NA	Solid	8081B/8082A	524977
MB 680-524977/3-A	Method Blank	Total/NA	Solid	8081B/8082A	524977
LCS 680-524977/4-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	524977
680-152731-1 MS	SOIL-01 (051818)	Total/NA	Solid	8081B/8082A	524977
680-152731-1 MSD	SOIL-01 (051818)	Total/NA	Solid	8081B/8082A	524977

Metals

Leach Batch: 524851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	1311	
LB 680-524851/1-C	Method Blank	TCLP	Solid	1311	
LB 680-524851/1-D	Method Blank	TCLP	Solid	1311	
680-152731-1 MS	SOIL-01 (051818)	TCLP	Solid	1311	
680-152731-1 MSD	SOIL-01 (051818)	TCLP	Solid	1311	

Prep Batch: 525192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	7470A	524851
LB 680-524851/1-C	Method Blank	TCLP	Solid	7470A	524851
MB 680-525192/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 680-525192/2-A	Lab Control Sample	Total/NA	Solid	7470A	
680-152731-1 MS	SOIL-01 (051818)	TCLP	Solid	7470A	524851
680-152731-1 MSD	SOIL-01 (051818)	TCLP	Solid	7470A	524851

Prep Batch: 525685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	3010A	524851
LB 680-524851/1-D	Method Blank	TCLP	Solid	3010A	524851
MB 680-525685/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 680-525685/2-A	Lab Control Sample	Total/NA	Solid	3010A	
680-152731-1 MS	SOIL-01 (051818)	TCLP	Solid	3010A	524851
680-152731-1 MSD	SOIL-01 (051818)	TCLP	Solid	3010A	524851

Metals (Continued)

Analysis Batch: 525708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	7470A	525192
LB 680-524851/1-C	Method Blank	TCLP	Solid	7470A	525192
MB 680-525192/1-A	Method Blank	Total/NA	Solid	7470A	525192
LCS 680-525192/2-A	Lab Control Sample	Total/NA	Solid	7470A	525192
680-152731-1 MS	SOIL-01 (051818)	TCLP	Solid	7470A	525192
680-152731-1 MSD	SOIL-01 (051818)	TCLP	Solid	7470A	525192

Analysis Batch: 525852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	TCLP	Solid	6010C	525685
LB 680-524851/1-D	Method Blank	TCLP	Solid	6010C	525685
MB 680-525685/1-A	Method Blank	Total/NA	Solid	6010C	525685
LCS 680-525685/2-A	Lab Control Sample	Total/NA	Solid	6010C	525685
680-152731-1 MS	SOIL-01 (051818)	TCLP	Solid	6010C	525685
680-152731-1 MSD	SOIL-01 (051818)	TCLP	Solid	6010C	525685

General Chemistry

Prep Batch: 524667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	Total/NA	Solid	9030B	
MB 680-524667/1-A	Method Blank	Total/NA	Solid	9030B	
LCS 680-524667/2-A	Lab Control Sample	Total/NA	Solid	9030B	
LCSD 680-524667/3-A	Lab Control Sample Dup	Total/NA	Solid	9030B	

Analysis Batch: 524669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	Total/NA	Solid	9034	524667
MB 680-524667/1-A	Method Blank	Total/NA	Solid	9034	524667
LCS 680-524667/2-A	Lab Control Sample	Total/NA	Solid	9034	524667
LCSD 680-524667/3-A	Lab Control Sample Dup	Total/NA	Solid	9034	524667

Analysis Batch: 524911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	Total/NA	Solid	9045D	
LCS 680-524911/1	Lab Control Sample	Total/NA	Solid	9045D	

Analysis Batch: 525005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	Total/NA	Solid	Moisture	

Prep Batch: 525221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	Total/NA	Solid	9012B	
MB 680-525221/1-A	Method Blank	Total/NA	Solid	9012B	
LCS 680-525221/2-A	Lab Control Sample	Total/NA	Solid	9012B	
680-152731-1 MS	SOIL-01 (051818)	Total/NA	Solid	9012B	
680-152731-1 MSD	SOIL-01 (051818)	Total/NA	Solid	9012B	

General Chemistry (Continued)

Analysis Batch: 525312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	Total/NA	Solid	9012B	525221
MB 680-525221/1-A	Method Blank	Total/NA	Solid	9012B	525221
LCS 680-525221/2-A	Lab Control Sample	Total/NA	Solid	9012B	525221
680-152731-1 MS	SOIL-01 (051818)	Total/NA	Solid	9012B	525221
680-152731-1 MSD	SOIL-01 (051818)	Total/NA	Solid	9012B	525221

Analysis Batch: 525724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-152731-1	SOIL-01 (051818)	Total/NA	Solid	1030	
MB 680-525724/1	Method Blank	Total/NA	Solid	1030	
LCS 680-525724/2	Lab Control Sample	Total/NA	Solid	1030	
LCSD 680-525724/10	Lab Control Sample Dup	Total/NA	Solid	1030	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Client Sample ID: SOIL-01 (051818)

Lab Sample ID: 680-152731-1

Date Collected: 05/18/18 14:40
Matrix: Solid
Date Received: 05/18/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			20.07 g	400 mL	525462	05/25/18 17:32	RKL	TAL SAV
TCLP	Analysis	8260B		20	5 mL	5 mL	525871	05/31/18 01:33	JLK	TAL SAV
	Instrument ID: CMSO2									
TCLP	Leach	1311			100.10 g	2000 mL	524851	05/22/18 17:30	WRB	TAL SAV
TCLP	Prep	3520C			202.2 mL	1 mL	525014	05/23/18 15:46	CMJ	TAL SAV
TCLP	Analysis	8270D		1			525545	05/26/18 14:55	OK	TAL SAV
	Instrument ID: CMSE									
TCLP	Leach	1311			100.10 g	2000 mL	524851	05/22/18 17:30	WRB	TAL SAV
TCLP	Prep	3010A			5 mL	50 mL	525685	05/29/18 09:57	AJR	TAL SAV
TCLP	Analysis	6010C		1			525852	05/30/18 09:23	BCB	TAL SAV
	Instrument ID: ICPE									
TCLP	Leach	1311			100.10 g	2000 mL	524851	05/22/18 17:30	WRB	TAL SAV
TCLP	Prep	7470A			0.5 mL	50 mL	525192	05/23/18 15:54	NVF	TAL SAV
TCLP	Analysis	7470A		1			525708	05/25/18 16:13	BCB	TAL SAV
	Instrument ID: LEEMAN2									
Total/NA	Analysis	1030		1			525724	05/29/18 13:16	CFJ	TAL SAV
	Instrument ID: NOEQUIP									
Total/NA	Analysis	9045D		1	20.01 g	20 mL	524911	05/22/18 10:41	CFJ	TAL SAV
	Instrument ID: GEpHM2									
Total/NA	Analysis	Moisture		1			525005	05/22/18 17:15	WRB	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: SOIL-01 (051818)

Lab Sample ID: 680-152731-1

Date Collected: 05/18/18 14:40
Matrix: Solid
Date Received: 05/18/18 16:30
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.69 g	10 mL	524977	05/22/18 14:25	JAM	TAL SAV
Total/NA	Analysis	8081B/8082A		1			525115	05/23/18 21:44	GEM	TAL SAV
	Instrument ID: CSGAA									
Total/NA	Prep	9012B			1.03 g	50 mL	525221	05/24/18 04:00	DAM	TAL SAV
Total/NA	Analysis	9012B		1			525312	05/24/18 10:54	DAM	TAL SAV
	Instrument ID: LACHAT1									
Total/NA	Prep	9030B			1.01 g	6 mL	524667	05/21/18 03:30	DAM	TAL SAV
Total/NA	Analysis	9034		1	6 mL	6 mL	524669	05/21/18 04:53	DAM	TAL SAV
	Instrument ID: NOEQUIP									

Client Sample ID: TMW-22 (051818)

Lab Sample ID: 680-152731-2

Date Collected: 05/18/18 15:50
Matrix: Water
Date Received: 05/18/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			994 mL	1 mL	524894	05/22/18 14:47	CEW	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Client Sample ID: TMW-22 (051818)

Lab Sample ID: 680-152731-2

Date Collected: 05/18/18 15:50

Matrix: Water

Date Received: 05/18/18 16:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D		10			525325	05/24/18 15:23	KNW	TAL SAV
	Instrument ID:	CMSE								

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TestAmerica Savannah
5102 LaRoche Avenue

Savannah, GA 31404
Phone: 912.354.7858 Fax:

Chain of Custody Record

233520

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.
TAL-8210 (0713)

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Andrew Davis	Site Contact:	Date: 5/18/18	COC No:
Company Name: Arcadis	Tel/Fax: Andrew.Davis@arcadis.com	Lab Contact: Jerry Lunier	Carrier:	1 of 1 COCs
Address: 10 Patewood Dr. Ste 375	Analysis Turnaround Time			Sampler: B. Mayer
City/State/Zip: Greenville, SC 29607	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 843-628-8829	TAT if different from Below			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Ashland Hercules Savannah	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.:
PO# OH016000.GA61	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	8260B-TCLP VOC	6010C-TCLP metals	7470A-TCLP mercury	1030-Ignitability	9045D-pH	9012B-Cyanide, total	9034-Sulfide, total	8270D-TCLP SVOC	9056-8082A	8270D-1,1-biphenyl	Sample Specific Notes:
SOIL-01 (051818)	5/18/18	1440	C	soil	10	N	N	1	1	1	1	1	1	1	1			
TMW-22 (051818)	5/18/18	1550	G	WT	4											1	1	

680-152731 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.9 Corr'd: 3.3 | Therm ID No.: CUFR19

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Arcadis	5/18/18 1630	[signature]	TASAV	1630 5/18/18
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-152731-1

Login Number: 152731
List Number: 1
Creator: Elwell, Devin M

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Savannah (Resins Plant)

TestAmerica Job ID: 680-152731-1

Laboratory: TestAmerica Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Georgia	State Program	4	803	06-30-18

APPENDIX G

Historical Analytical Results

- Historical Soil Analytical Results Summary
- Historical Groundwater Analytical Results Summary
- Historical Surface Water Analytical Results Summary
- Historical Sediment Analytical Results Summary

Location ID	Type 1/2 RRS	Type 3/4 RRS	50-CC	50-CC	50-CC	50-CC Composite	50-EC	50-EC	50-EC Composite	50-NC	50-NC	50-NC Composite	50-NE	50-NE	50-NE	50-NE Composite	50-NW	50-NW	50-NW Composite	50-SC	50-SC	50-SC Composite	50-SE	50-SE	50-SE
Sample ID			50-CC_1/19/00_(1-3)GRAB_NM	50-CC_1/19/00_(4-6)GRAB_NM	50-CC_1/19/00_(7-9)GRAB_NM	50-CC COMPOSITE_1/19/00_(1-9)COMP_H_NM	50-EC_1/19/00_(1-3)GRAB_NM	50-EC_1/19/00_(4-6)GRAB_NM	50-EC COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-NC_1/19/00_(1-3)GRAB_NM	50-NC_1/19/00_(4-6)GRAB_NM	50-NC COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-NE_1/19/00_(1-3)GRAB_NM	50-NE_1/19/00_(4-6)GRAB_NM	50-NE_1/19/00_(6-9)GRAB_NM	50-NE COMPOSITE_1/19/00_(1-9)COMP_H_NM	50-NW_1/24/00_(1-3)GRAB_NM	50-NW_1/24/00_(4-6)GRAB_NM	50-NW COMPOSITE_1/24/00_(1-6)COMP_H_NM	50-SC_1/19/00_(1-3)GRAB_NM	50-SC_1/19/00_(4-6)GRAB_NM	50-SC COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-SE_1/19/00_(1-3)GRAB_NM	50-SE_1/19/00_(4-6)GRAB_NM	50-SE_1/19/00_(7-9)GRAB_NM
Sample Date			01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/24/2000	01/24/2000	01/24/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																									
pH (Standard Units)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Total Petroleum Hydrocarbon (TPH)			310000	6600000	280000	360000	1400000	17000	--	80000	1800000	--	26000	15000	44000	--	160000	450000	--	470000	1300000	--	180000	120000	140000
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID			50-CC	50-CC	50-CC	50-CC Composite	50-EC	50-EC	50-EC Composite	50-NC	50-NC	50-NC Composite	50-NE	50-NE	50-NE	50-NE Composite	50-NW	50-NW	50-NW Composite	50-SC	50-SC	50-SC Composite	50-SE	50-SE	50-SE
Sample ID	Type 1/2 RRS	Type 3/4 RRS	50-CC_1/19/00_(1-3)GRAB_NM	50-CC_1/19/00_(4-6)GRAB_NM	50-CC_1/19/00_(7-9)GRAB_NM	50-CC COMPOSITE_1/19/00_(1-9)COMP_H_NM	50-EC_1/19/00_(1-3)GRAB_NM	50-EC_1/19/00_(4-6)GRAB_NM	50-EC COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-NC_1/19/00_(1-3)GRAB_NM	50-NC_1/19/00_(4-6)GRAB_NM	50-NC COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-NE_1/19/00_(1-3)GRAB_NM	50-NE_1/19/00_(4-6)GRAB_NM	50-NE_1/19/00_(6-9)GRAB_NM	50-NE COMPOSITE_1/19/00_(1-9)COMP_H_NM	50-NW_1/24/00_(1-3)GRAB_NM	50-NW_1/24/00_(4-6)GRAB_NM	50-NW COMPOSITE_1/24/00_(1-6)COMP_H_NM	50-SC_1/19/00_(1-3)GRAB_NM	50-SC_1/19/00_(4-6)GRAB_NM	50-SC COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-SE_1/19/00_(1-3)GRAB_NM	50-SE_1/19/00_(4-6)GRAB_NM	50-SE_1/19/00_(7-9)GRAB_NM
Sample Date			01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/24/2000	01/24/2000	01/24/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
1,3-Dinitrobenzene	1050	1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	< 50 U	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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2-Methylphenol	3800	4100	--	--	--	< 50 U	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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3-Methylphenol, 4-Methylphenol			--	--	--	< 50 U	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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4-Methylphenol	3800	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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7,12-Dimethylbenz(a)anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha,alpha-Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Aramite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	1640	1640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	5000	46000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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bis(2-Ethylhexyl)phthalate	50000	50000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzyl phthalate	50000	218540	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	5000	141000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Dibenzo(a,h)anthracene	2000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	1000	1900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Di-n-octyl phthalate	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Fluoranthene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	360000	360000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Hexachloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	5000	15000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Naphthalene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene			--	--	--	< 50 U	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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N-Nitrosodi-n-butylamine	1000	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID			50-CC	50-CC	50-CC	50-CC Composite	50-EC	50-EC	50-EC Composite	50-NC	50-NC	50-NC Composite	50-NE	50-NE	50-NE	50-NE Composite	50-NW	50-NW	50-NW Composite	50-SC	50-SC	50-SC Composite	50-SE	50-SE	50-SE
Sample ID	Type 1/2 RRS	Type 3/4 RRS	50-CC_1/19/00_(1-3)GRAB_NM	50-CC_1/19/00_(4-6)GRAB_NM	50-CC_1/19/00_(7-9)GRAB_NM	50-CC COMPOSITE_1/19/00_(1-9)COMP_H_NM	50-EC_1/19/00_(1-3)GRAB_NM	50-EC_1/19/00_(4-6)GRAB_NM	50-EC COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-NC_1/19/00_(1-3)GRAB_NM	50-NC_1/19/00_(4-6)GRAB_NM	50-NC COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-NE_1/19/00_(1-3)GRAB_NM	50-NE_1/19/00_(4-6)GRAB_NM	50-NE_1/19/00_(6-9)GRAB_NM	50-NE COMPOSITE_1/19/00_(1-9)COMP_H_NM	50-NW_1/24/00_(1-3)GRAB_NM	50-NW_1/24/00_(4-6)GRAB_NM	50-NW COMPOSITE_1/24/00_(1-6)COMP_H_NM	50-SC_1/19/00_(1-3)GRAB_NM	50-SC_1/19/00_(4-6)GRAB_NM	50-SC COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-SE_1/19/00_(1-3)GRAB_NM	50-SE_1/19/00_(4-6)GRAB_NM	50-SE_1/19/00_(7-9)GRAB_NM
Sample Date			01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/24/2000	01/24/2000	01/24/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000	01/19/2000
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
N-Nitroso-N-methylethylamine	680	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Trimethyl thiophosphate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Phenanthrene	110000	110000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Propyzamide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine			--	--	--	< 250 U	--	--	< 250 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,1-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene			--	--	--	< 20 U	--	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,2-Dichloroethane			--	--	--	< 20 U	--	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	200000	200000	--	--	--	< 100 U	--	--	< 100 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlor-1,3-Butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	**100**	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Allyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	500	500	--	--	--	< 20 U	--	--	32	--	--	110	--	--	--	< 6.7 U	--	--	< 8.2 U	--	--	82	--	--	--
Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Bromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	--	< 20 U	--	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	< 20 U	--	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Chloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	70000	70000	--	--	--	--	--	--	< 10 U	--	--	25	--	--	--	< 6.7 U	--	--	< 8.2 U	--	--	130	--	--	--
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m&p-Xylenes			--	--	--	--	--	--	42	--	--	99	--	--	--	< 6.7 U	--	--	< 8.2 U	--	--	76	--	--	--
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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m-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	20000	20000	--	--	--	--	--	--	< 10 U	--	--	< 9.4 U	--	--	--	< 6.7 U	--	--	< 8.2 U	--	--	35	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	< 20 U	--	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	--	--	--	--	--	--	< 10 U	--	--	29	--	--	--	< 6.7 U	--	--	< 8.2 U	--	--	38	--	--	--
Total Xylenes	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	< 20 U	--	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	< 40 U	--	--	< 40 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS

Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram

Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	50-SE Composite	50-SW	50-SW	50-SW Composite	50-WC	50-WC	50-WC Composite	50-West Sump	50-West Sump	onfirmation_Samp	onfirmation_Samp	DS-1	DS-1	DS-10	DS-10	DS-11	DS-11	DS-12	DS-12	DS-13	DS-13	DS-14	DS-14
Sample ID			50-SE COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-SW_1/24/00_(1-3)GRAB_NM	50-SW_1/24/00_(4-6)GRAB_NM	50-SW COMPOSITE_1/24/00_(1-6)COMP_H_NM	50-WC_1/24/00_(1-3)GRAB_NM	50-WC_1/24/00_(4-6)GRAB_NM	50-WC COMPOSITE_1/24/00_(1-6)COMP_H_NM	50-WEST SUMP_1/24/00_(1-3)GRAB_NM	50-WEST SUMP_1/24/00_(4-6)GRAB_NM	CONFIRMATION_SAMPLE_12/1/00_(0-3)GRAB_NM	CONFIRMATION_SAMPLE_12/1/00_(3-6)GRAB_NM	DS-1_11/7/08_(0-2)GRAB_NM	DS-1_11/7/08_(2-4)GRAB_NM	DS-10_11/7/08_(0-2)GRAB_NM	DS-10_11/7/08_(2-4)GRAB_NM	DS-11_11/7/08_(0-2)GRAB_NM	DS-11_11/7/08_(2-4)GRAB_NM	DS-12_11/7/08_(0-2)GRAB_NM	DS-12_11/7/08_(2-4)GRAB_NM	DS-13_11/10/08_(0-2)GRAB_NM	DS-13_11/10/08_(2-4)GRAB_NM	DS-14_11/10/08_(0-2)GRAB_NM	DS-14_11/10/08_(2-4)GRAB_NM
Sample Date			01/19/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	12/01/2000	12/01/2000	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																									
pH (Standard Units)			--	--	--	--	--	--	--	--	--	--	--	8.6	8.3	10.3	10.5	11.4	12 >	7.72	5.34	7.52	6.65	9.47	11.2
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxicity Equivalent Quotient			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/kg)																									
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic			--	--	--	--	--	--	< 200 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium			--	--	--	--	--	--	< 1000 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium			--	--	--	--	--	--	< 100 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	--	--	--	--	--	< 200 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead			--	--	--	--	--	--	< 200 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury			--	--	--	--	--	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium			--	--	--	--	--	--	< 500 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	--	--	--	--	< 100 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/kg)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																									
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)																									
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	140000	71000	--	74000	100000	--	1700000	2600000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	55 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
1,2,4,5-Tetrachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
1,3,5-Trinitrobenzene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U

Location ID			50-SE Composite	50-SW	50-SW	50-SW Composite	50-WC	50-WC	50-WC Composite	50-West Sump	50-West Sump	onfirmation_Samp	onfirmation_Samp	DS-1	DS-1	DS-10	DS-10	DS-11	DS-11	DS-12	DS-12	DS-13	DS-13	DS-14	DS-14
Sample ID	Type 1/2 RRS	Type 3/4 RRS	50-SE COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-SW_1/24/00_(1-3)GRAB_NM	50-SW_1/24/00_(4-6)GRAB_NM	50-SW COMPOSITE_1/24/00_(1-6)COMP_H_NM	50-WC_1/24/00_(1-3)GRAB_NM	50-WC_1/24/00_(4-6)GRAB_NM	50-WC COMPOSITE_1/24/00_(1-6)COMP_H_NM	50-WEST SUMP_1/24/00_(1-3)GRAB_NM	50-WEST SUMP_1/24/00_(4-6)GRAB_NM	CONFIRMATION_SAMPLE_12/1/00_(0-3)GRAB_NM	CONFIRMATION_SAMPLE_12/1/00_(3-6)GRAB_NM	DS-1_11/7/08_(0-2)GRAB_NM	DS-1_11/7/08_(2-4)GRAB_NM	DS-10_11/7/08_(0-2)GRAB_NM	DS-10_11/7/08_(2-4)GRAB_NM	DS-11_11/7/08_(0-2)GRAB_NM	DS-11_11/7/08_(2-4)GRAB_NM	DS-12_11/7/08_(0-2)GRAB_NM	DS-12_11/7/08_(2-4)GRAB_NM	DS-13_11/10/08_(0-2)GRAB_NM	DS-13_11/10/08_(2-4)GRAB_NM	DS-14_11/10/08_(0-2)GRAB_NM	DS-14_11/10/08_(2-4)GRAB_NM
Sample Date			01/19/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	12/01/2000	12/01/2000	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
1,3-Dinitrobenzene	1050	1050	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
1,4-Dichlorobenzene			--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
1,4-Naphthoquinone			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
1-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2,3,4,6-Tetrachlorophenol			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2,4,5-Trichlorophenol			--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2,4,6-Trichlorophenol			--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2,4-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2,4-Dimethylphenol	70000	70000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2,4-Dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 2000 U	< 2000 U	< 2000 U	< 2100 U	< 2000 U	< 19000 U	< 20000 U	< 20000 U	< 21000 U
2,4-Dinitrotoluene			--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2,6-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2,6-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2-Acetylaminofluorene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2-Chloronaphthalene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2-Chlorophenol			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2-Methyl-4,6-dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 2000 U	< 2000 U	< 2000 U	< 2100 U	< 2000 U	< 19000 U	< 20000 U	< 20000 U	< 21000 U
2-Methylnaphthalene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2-Methylphenol	3800	4100	--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 2000 U	< 2000 U	< 2000 U	< 2100 U	< 2000 U	< 19000 U	< 20000 U	< 20000 U	< 21000 U
2-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
2-Picoline			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
3,3-Dichlorobenzidine			--	--	--	--	--	--	--	--	--	--	--	< 690 U	< 700 U	< 700 U	< 760 U	< 780 U	< 780 U	< 810 U	< 770 U	< 7400 U	< 7600 U	< 7800 U	< 8100 U
3,3-Dimethylbenzidine			--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 2000 U	< 2000 U	< 2000 U	< 2100 U	< 2000 U	< 19000 U	< 20000 U	< 20000 U	< 21000 U
3-Methylchloranthrene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
3-Methylphenol, 4-Methylphenol			--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
3-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 2000 U	< 2000 U	< 2000 U	< 2100 U	< 2000 U	< 19000 U	< 20000 U	< 20000 U	< 21000 U
4-Aminobiphenyl			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
4-Bromophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
4-Chloro-3-Methylphenol			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
4-Chlorophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
4-Dimethylaminoazobenzene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
4-Methylphenol	3800	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 2000 U	< 2000 U	< 2000 U	< 2100 U	< 2000 U	< 19000 U	< 20000 U	< 20000 U	< 21000 U
4-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 2000 U	< 2000 U	< 2000 U	< 2100 U	< 2000 U	< 19000 U	< 20000 U	< 20000 U	< 21000 U
4-Nitroquinoline-N-Oxide			--	--	--	--	--	--	--	--	--	--	--	< 3500 U	< 3500 U	< 3500 U	< 3800 U	< 3900 U	< 3900 U	< 4000 U	< 3900 U	< 37000 U	< 38000 U	< 39000 U	< 41000 U
5-Nitro-o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
7,12-Dimethylbenz(a)anthracene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Acenaphthene	300000	300000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	73 J	54 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	180 J	33 J	59 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
alpha,alpha-Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	**2000**	2000	--	--	--	--	--	--	--	--	--	--	--	< 690 U	< 700 U	< 700 U	< 760 U	< 780 U	< 780 U	< 810 U	< 770 U	< 7400 U	< 7600 U	< 7800 U	< 8100 U
Anthracene	500000	1009000	--	--	--	--	--	--	--	--	--	--	--	110 J	37 J	110 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Aramite			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Benzo(a)anthracene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	110 J	78 J	400	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Benzo(a)pyrene	1640	1640	--	--	--	--	--	--	--	--	--	--	--	160 J	100 J	360	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Benzo(b)fluoranthene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	420	190 J	640	< 380 U	< 390 U	< 390 U	47 J	< 390 U	260	< 3800 U	< 3900 U	< 4100 U
Benzo(g,h,i)perylene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	190 J	110 J	250 J	< 380 U	< 390 U	< 390 U	32 J	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Benzo(k)fluoranthene	5000	46000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	290 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Benzyl Alcohol			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
bis(2-Chloroethyl)ether			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
bis(2-Chloroisopropyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	50000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	130 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Butyl benzyl phthalate	50000	218540	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	72 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Chrysene	5000	141000	--	--	--	--	--	--	--	--	--	--	--	200 J	120 J	630	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Diallate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Dibenzo(a,h)anthracene	2000	5000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Dibenzofuran	1000	1900	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	24 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Diethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Dimethoate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Dimethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	< 70000 U	< 71000 U	< 72000 U	< 77000 U	< 79000 U	< 79000 U	< 82000 U	< 79000 U	< 750000 U	< 770000 U	< 790000 U	< 830000 U
Di-n-butyl phthalate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Di-n-octyl phthalate	70000	70000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	62 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Dinoseb			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Diphenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disulfoton			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Ethyl Methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Famphur			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Fluoranthene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	270 J	210 J	1500	< 380 U	46 J	< 390 U	180 J	< 390 U	240	< 3800 U	< 3900 U	< 4100 U
Fluorene	360000	360000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	40 J	43 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Hexachlorobenzene			--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Hexachloroethane			--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Hexachlorophene			--	--	--	--	--	--	--	--	--	--	--	< 180000 U	< 180000 U	< 180000 U	< 200000 U	< 200000 U	< 200000 U	< 210000 U	< 200000 U	< 1900000 U	< 2000000 U	< 2000000 U	< 2100000 U
Hexachloropropene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Indeno(1,2,3-cd)pyrene	5000	15000	--	--	--	--	--	--	--	--	--	--	--	150 J	85 J	150 J	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Isophorone			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Isosafrole			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Methapyrilene			--	--	--	--	--	--	--	--	--	--	--	< 70000 U	< 71000 U	< 72000 U	< 77000 U	< 79000 U	< 79000 U	< 82000 U	< 79000 U	< 750000 U	< 770000 U	< 790000 U	< 830000 U
Methyl methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Methyl parathion			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Naphthalene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Nitrobenzene			--	--	--	--	--	--	< 50 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
N-Nitrosodiethylamine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
N-Nitrosodimethylamine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
N-Nitrosodi-n-butylamine	1000	1000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
N-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
N-Nitrosodiphenylamine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
N-Nitrosomorpholine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U

Location ID			50-SE Composite	50-SW	50-SW	50-SW Composite	50-WC	50-WC	50-WC Composite	50-West Sump	50-West Sump	onfirmation_Samp	onfirmation_Samp	DS-1	DS-1	DS-10	DS-10	DS-11	DS-11	DS-12	DS-12	DS-13	DS-13	DS-14	DS-14
Sample ID	Type 1/2 RRS	Type 3/4 RRS	50-SE COMPOSITE_1/19/00_(1-6)COMP_H_NM	50-SW_1/24/00_(1-3)GRAB_NM	50-SW_1/24/00_(4-6)GRAB_NM	50-SW COMPOSITE_1/24/00_(1-6)COMP_H_NM	50-WC_1/24/00_(1-3)GRAB_NM	50-WC_1/24/00_(4-6)GRAB_NM	50-WC COMPOSITE_1/24/00_(1-6)COMP_H_NM	50-WEST SUMP_1/24/00_(1-3)GRAB_NM	50-WEST SUMP_1/24/00_(4-6)GRAB_NM	CONFIRMATION_SAMPLE_12/1/00_(0-3)GRAB_NM	CONFIRMATION_SAMPLE_12/1/00_(3-6)GRAB_NM	DS-1_11/7/08_(0-2)GRAB_NM	DS-1_11/7/08_(2-4)GRAB_NM	DS-10_11/7/08_(0-2)GRAB_NM	DS-10_11/7/08_(2-4)GRAB_NM	DS-11_11/7/08_(0-2)GRAB_NM	DS-11_11/7/08_(2-4)GRAB_NM	DS-12_11/7/08_(0-2)GRAB_NM	DS-12_11/7/08_(2-4)GRAB_NM	DS-13_11/10/08_(0-2)GRAB_NM	DS-13_11/10/08_(2-4)GRAB_NM	DS-14_11/10/08_(0-2)GRAB_NM	DS-14_11/10/08_(2-4)GRAB_NM
Sample Date			01/19/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	01/24/2000	12/01/2000	12/01/2000	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
N-Nitroso-N-methylethylamine	680	1000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
N-Nitrosopiperidine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
N-Nitrosopyrrolidine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
o,o,o-Triethyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
o,o,o-Trimethyl thiophosphate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Parathion	20000	20000	--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
p-Chloroaniline			--	--	--	--	--	--	--	--	--	--	--	< 690 U	< 700 U	< 700 U	< 760 U	< 780 U	< 780 U	< 810 U	< 770 U	< 7400 U	< 7600 U	< 7800 U	< 8100 U
Pentachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Pentachloronitrobenzene			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Pentachlorophenol			--	--	--	--	--	--	< 250 U	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 2000 U	< 2000 U	< 2000 U	< 2100 U	< 2000 U	< 19000 U	< 20000 U	< 20000 U	< 21000 U
Phenacetin			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Phenanthrene	110000	110000	--	--	--	--	--	--	--	--	--	--	--	31 J	170 J	390	< 380 U	< 390 U	< 390 U	35 J	< 390 U	< 3700 U	< 3800 U	410	< 4100 U
Phenol			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Phorate			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	--	--	--	--	--	--	--	--	--	< 1800 U	< 1800 U	< 1800 U	< 2000 U	< 2000 U	< 2000 U	< 2100 U	< 2000 U	< 19000 U	< 20000 U	< 20000 U	< 21000 U
Propyzamide			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Pyrene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	200 J	200 J	800	< 380 U	< 390 U	< 390 U	25 J	< 390 U	< 3700 U	< 3800 U	390	< 4100 U
Pyridine			--	--	--	--	--	--	< 250 U	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Safrole			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	< 350 U	< 350 U	< 350 U	< 380 U	< 390 U	< 390 U	< 400 U	< 390 U	< 3700 U	< 3800 U	< 3900 U	< 4100 U
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
1,1,1-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
1,1,2,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
1,1,2-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
1,1-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
1,1-Dichloroethene			--	--	--	--	--	--	< 20 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
1,2,3-Trichloropropane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
1,2-Dibromo-3-chloropropane			--	--	--	--	--	--	--	--	--	--	--	< 9.9 U	< 9.9 U	< 8.2 U	< 9.9 U	< 9.6 U	< 11 U	< 10 U	< 10 U	< 8.3 U	< 10 U	< 9.6 U	< 11 U
1,2-Dibromoethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
1,2-Dichloroethane			--	--	--	--	--	--	< 20 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
1,2-Dichloropropane	500	500	--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
2-Butanone (MEK)	200000	200000	--	--	--	--	--	--	< 100 U	--	--	--	--	< 25 U	12 J	2.6 J	9.4 J	19 J	16 J	8 J	3.8 J	12 J	16 J	35	40
2-Chlor-1,3-Butadiene			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
2-Methyl-1-propanol	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 200 U	< 160 U	< 200 U	< 190 U	< 230 U	< 200 U	< 200 U	170	< 200 U	< 190 U	< 210 U
4-Methyl-2-Pentanone	200000	200000	--	--	--	--	--	--	--	--	--	--	--	< 25 U	< 25 U	< 21 U	< 25 U	7 J	4.3 J	< 25 U	< 25 U	< 21 U	< 25 U	9.9 J	8.7 J
Acetone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	75	100	57	120	370	330	150	110	120	250	840	10000 D
Acetonitrile	20000	20000	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 200 U	< 160 U	< 200 U	< 190 U	< 230 U	< 200 U	< 200 U	< 170 U	< 200 U	< 190 U	< 210 U
Acrolein	**100**	100	--	--	--	--	--	--	--	--	--	**110**	**130**	< 99 U	< 99 U	< 82 U	< 99 U	< 96 U	< 110 U	< 100 U	< 100 U	< 83 U	< 100 U	< 96 U	< 110 U
Acrylonitrile			--	--	--	--	--	--	--	--	--	--	--	< 99 U	< 99 U	< 82 U	< 99 U	< 96 U	< 110 U	< 100 U	< 100 U	< 83 U	< 100 U	< 96 U	< 110 U
Allyl chloride			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Benzene	500	500	13	--	--	< 5.8 U	--	--	< 20 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	1.5 J	0.85 J	0.94 J	< 5 U	< 5 U	< 4.2 U	< 5.1 U	1.9 J	11
Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Bromoform			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Bromomethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Carbon Disulfide	400000	400000	--	--	--	--	--	--	--	--	--	--	--	< 5 U	2.2 J	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	1.1 J	< 5.1 U	2.8 J	< 5.3 U
Carbon Tetrachloride			--	--	--	--	--	--	< 20 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	< 9.9 U	< 9.9 U	< 8.2 U	< 9.9 U	< 9.6 U	< 11 U	< 10 U	< 10 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Chlorobenzilate			--	--	--	--	--	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Chloroform			--	--	--	--	--	--	< 20 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Chloromethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Dibromomethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Ethyl Methacrylate	300000	300000	--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Ethylbenzene	70000	70000	23	--	--	< 5.8 U	--	--	< 6.2 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	0.88 J	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	1.3 J	9.2
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
m&p-Xylenes			44	--	--	< 5.8 U	--	--	< 6.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	< 25 U	< 25 U	< 21 U	< 25 U	< 24 U	2.7 J	< 25 U	< 25 U	< 21 U	< 25 U	5.4 J	4.8 J
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	< 99 U	< 99 U	< 82 U	< 99 U	< 96 U	< 110 U	< 100 U	< 100 U	< 83 U	< 100 U	< 96 U	< 110 U
m-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	20000	20000	< 7.4 U	--	--	< 5.8 U	--	--	< 6.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	< 25 U	< 25 U	< 21 U	< 25 U	< 24 U	< 28 U	< 25 U	< 25 U	< 21 U	< 25 U	< 24 U	< 26 U
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	< 99 U	< 99 U	< 82 U	< 99 U	< 96 U	< 110 U	< 100 U	< 100 U	< 83 U	< 100 U	< 96 U	< 110 U
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Tetrachloroethene	500	500	--	--	--	--	--	--	< 20 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Toluene	100000	100000	< 7.4 U	--	--	< 5.8 U	--	--	< 6.2 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	1.5 J	2.4 J	1.1 J	< 5 U	< 5 U	< 4.2 U	4 J	6.3	44
Total Xylenes	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	< 9.9 U	< 9.9 U	< 8.2 U	< 9.9 U	6.4 J	< 11 U	< 10 U	< 10 U	< 8.3 U	< 10 U	4.6 J	4 J
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	< 9.9 U	< 9.9 U	< 8.2 U	< 9.9 U	< 9.6 U	< 11 U	< 10 U	< 10 U	< 8.3 U	< 10 U	< 9.6 U	< 11 U
Trichloroethene			--	--	--	--	--	--	< 20 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	< 9.9 U	< 9.9 U	< 8.2 U	< 9.9 U	< 9.6 U	< 11 U	< 10 U	< 10 U	< 8.3 U	< 10 U	< 9.6 U	< 11 U
Vinyl chloride			--	--	--	--	--	--	< 40 U	--	--	--	--	< 5 U	< 4.9 U	< 4.1 U	< 5 U	< 4.8 U	< 5.7 U	< 5 U	< 5 U	< 4.2 U	< 5.1 U	< 4.8 U	< 5.3 U

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS

Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram

Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	DS-15	DS-15	DS-16	DS-16	DS-17	DS-17	DS-17	DS-18	DS-18	DS-18	DS-2	DS-2	DS-3	DS-3	DS-4	DS-4	DS-5	DS-5	DS-6	DS-6	DS-7	DS-7	DS-8
Sample ID			DS-15_11/10/08_(0-2)GRAB_NM	DS-15_11/10/08_(2-4)GRAB_NM	DS-16_11/10/08_(0-2)GRAB_NM	DS-16_11/10/08_(2-4)GRAB_NM	DS-17_11/10/08_(0-2)GRAB_NM	DS-17_11/10/08_(2-4)GRAB_NM	DS-17_11/10/08_(2-4)GRAB_DUP	DS-18_11/10/08_(0-2)GRAB_NM	DS-18_11/10/08_(2-4)GRAB_NM	DUP-5_11/10/08_(0-2)GRAB_DUP	DS-2_11/7/08_(0-2)GRAB_NM	DS-2_11/7/08_(2-4)GRAB_NM	DS-3_11/7/08_(0-2)GRAB_NM	DS-3_11/7/08_(2-4)GRAB_NM	DS-4_11/7/08_(0-2)GRAB_NM	DS-4_11/7/08_(2-4)GRAB_NM	DS-5_11/7/08_(0-2)GRAB_NM	DS-5_11/7/08_(2-4)GRAB_NM	DS-6_11/7/08_(0-2)GRAB_NM	DS-6_11/7/08_(2-4)GRAB_NM	DS-7_11/7/08_(0-2)GRAB_NM	DS-7_11/7/08_(2-4)GRAB_NM	DS-8_11/7/08_(0-2)GRAB_NM
Sample Date			11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008
Sample Type			N	N	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																									
pH (Standard Units)			8.17	5.35	7.51	4.96	8.44	7.93	7.98	6.23	6.04	7.1	7.88	7.06	8.91	8.53	8.72	9.19	7.31	7.69	8.86	9.5	9.64	8.24	9.95
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxicity Equivalent Quotient			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/kg)																									
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/kg)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																									
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)																									
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	21 J	< 1900 U	640	< 4100 U	< 370 U	< 380 U	< 3700 U
1,2,4,5-Tetrachlorobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
1,2,4-Trichlorobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
1,2-Dichlorobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
1,3,5-Trinitrobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
1,3-Dichlorobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U

Appendix G-1
Historical Soil Data 2000 through 2008
Compliance Status Report
Hercules Inc. - Savannah, GA

Location ID			DS-15	DS-15	DS-16	DS-16	DS-17	DS-17	DS-17	DS-18	DS-18	DS-18	DS-2	DS-2	DS-3	DS-3	DS-4	DS-4	DS-5	DS-5	DS-6	DS-6	DS-7	DS-7	DS-8
Sample ID	Type 1/2 RRS	Type 3/4 RRS	DS-15_11/10/08_(0-2)GRAB_NM	DS-15_11/10/08_(2-4)GRAB_NM	DS-16_11/10/08_(0-2)GRAB_NM	DS-16_11/10/08_(2-4)GRAB_NM	DS-17_11/10/08_(0-2)GRAB_NM	DS-17_11/10/08_(2-4)GRAB_NM	DS-17_11/10/08_(2-4)GRAB_DUP	DS-18_11/10/08_(0-2)GRAB_NM	DS-18_11/10/08_(2-4)GRAB_NM	DUP-5_11/10/08_(0-2)GRAB_DUP	DS-2_11/7/08_(0-2)GRAB_NM	DS-2_11/7/08_(2-4)GRAB_NM	DS-3_11/7/08_(0-2)GRAB_NM	DS-3_11/7/08_(2-4)GRAB_NM	DS-4_11/7/08_(0-2)GRAB_NM	DS-4_11/7/08_(2-4)GRAB_NM	DS-5_11/7/08_(0-2)GRAB_NM	DS-5_11/7/08_(2-4)GRAB_NM	DS-6_11/7/08_(0-2)GRAB_NM	DS-6_11/7/08_(2-4)GRAB_NM	DS-7_11/7/08_(0-2)GRAB_NM	DS-7_11/7/08_(2-4)GRAB_NM	DS-8_11/7/08_(0-2)GRAB_NM
Sample Date			11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008
Sample Type			N	N	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
1,3-Dinitrobenzene	1050	1050	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
1,4-Dichlorobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
1,4-Dioxane	7000	7000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
1,4-Naphthoquinone			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
1-Naphthylamine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2,2-Oxybis(1-Chloropropane)			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2,3,4,6-Tetrachlorophenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2,4,5-Trichlorophenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2,4,6-Trichlorophenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2,4-Dichlorophenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2,4-Dimethylphenol	70000	70000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2,4-Dinitrophenol			< 20000 U	< 10000 U	< 19000 U	< 20000 U	< 10000 U	< 20000 U	--	< 10000 U	< 10000 U	< 10000 U	< 1900 U	< 2000 U	< 20000 U	< 20000 U	< 1900 U	< 1800 U	< 1900 U	< 9600 U	< 20000 U	< 21000 U	< 1900 U	< 1900 U	< 19000 U
2,4-Dinitrotoluene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2,6-Dichlorophenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2,6-Dinitrotoluene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2-Acetylaminofluorene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2-Chloronaphthalene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2-Chlorophenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2-Methyl-4,6-dinitrophenol			< 20000 U	< 10000 U	< 19000 U	< 20000 U	< 10000 U	< 20000 U	--	< 10000 U	< 10000 U	< 10000 U	< 1900 U	< 2000 U	< 20000 U	< 20000 U	< 1900 U	< 1800 U	< 1900 U	< 9600 U	< 20000 U	< 21000 U	< 1900 U	< 1900 U	< 19000 U
2-Methylnaphthalene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2-Methylphenol	3800	4100	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2-Naphthylamine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2-Nitroaniline			< 20000 U	< 10000 U	< 19000 U	< 20000 U	< 10000 U	< 20000 U	--	< 10000 U	< 10000 U	< 10000 U	< 1900 U	< 2000 U	< 20000 U	< 20000 U	< 1900 U	< 1800 U	< 1900 U	< 9600 U	< 20000 U	< 21000 U	< 1900 U	< 1900 U	< 19000 U
2-Nitrophenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
2-Picoline			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
3,3-Dichlorobenzidine			< 7800 U	< 3900 U	< 7300 U	< 7900 U	< 4000 U	< 7700 U	--	< 3900 U	< 3900 U	< 3900 U	< 730 U	< 760 U	< 7700 U	< 7700 U	< 720 U	< 720 U	< 740 U	< 3700 U	< 7800 U	< 8100 U	< 730 U	< 750 U	< 7400 U
3,3-Dimethylbenzidine			< 20000 U	< 10000 U	< 19000 U	< 20000 U	< 10000 U	< 20000 U	--	< 10000 U	< 10000 U	< 10000 U	< 1900 U	< 2000 U	< 20000 U	< 20000 U	< 1900 U	< 1800 U	< 1900 U	< 9600 U	< 20000 U	< 21000 U	< 1900 U	< 1900 U	< 19000 U
3-Methylchloranthrene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
3-Methylphenol, 4-Methylphenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
3-Nitroaniline			< 20000 U	< 10000 U	< 19000 U	< 20000 U	< 10000 U	< 20000 U	--	< 10000 U	< 10000 U	< 10000 U	< 1900 U	< 2000 U	< 20000 U	< 20000 U	< 1900 U	< 1800 U	< 1900 U	< 9600 U	< 20000 U	< 21000 U	< 1900 U	< 1900 U	< 19000 U
4-Aminobiphenyl			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
4-Bromophenyl phenyl ether			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
4-Chloro-3-Methylphenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
4-Chlorophenyl phenyl ether			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
4-Dimethylaminoazobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
4-Methylphenol	3800	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline			< 20000 U	< 10000 U	< 19000 U	< 20000 U	< 10000 U	< 20000 U	--	< 10000 U	< 10000 U	< 10000 U	< 1900 U	< 2000 U	< 20000 U	< 20000 U	< 1900 U	< 1800 U	< 1900 U	< 9600 U	< 20000 U	< 21000 U	< 1900 U	< 1900 U	< 19000 U
4-Nitrophenol			< 20000 U	< 10000 U	< 19000 U	< 20000 U	< 10000 U	< 20000 U	--	< 10000 U	< 10000 U	< 10000 U	< 1900 U	< 2000 U	< 20000 U	< 20000 U	< 1900 U	< 1800 U	< 1900 U	< 9600 U	< 20000 U	< 21000 U	< 1900 U	< 1900 U	< 19000 U
4-Nitroquinoline-N-Oxide			< 39000 U	< 20000 U	< 37000 U	< 40000 U	< 20000 U	< 39000 U	--	< 19000 U	< 20000 U	< 20000 U	< 3600 U	< 3800 U	< 39000 U	< 38000 U	< 3600 U	< 3600 U	< 3700 U	< 19000 U	< 39000 U	< 41000 U	< 3700 U	< 3800 U	< 37000 U
5-Nitro-o-Toluidine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
7,12-Dimethylbenz(a)anthracene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Acenaphthene	300000	300000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	19 J	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Acenaphthylene	130000	130000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	19 J	93 J	< 370 U	< 1900 U	< 3900 U	< 4100 U	110 J	< 380 U	< 3700 U
Acetophenone	400000	400000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
alpha,alpha-Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	**2000**	2000	< 7800 U	< 3900 U	< 7300 U	< 7900 U	< 4000 U	< 7700 U	--	< 3900 U	< 3900 U	< 3900 U	< 730 U	< 760 U	< 7700 U	< 7700 U	< 720 U	< 720 U	< 740 U	< 3700 U	< 7800 U	< 8100 U	< 730 U	< 750 U	< 7400 U
Anthracene	500000	1009000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	210	< 3800 U	38 J	110 J	< 370 U	< 1900 U	< 3900 U	< 4100 U	100 J	< 380 U	< 3700 U
Aramite			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Benzo(a)anthracene	5000	5000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	340	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	70 J	280 J	< 370 U	< 1900 U	< 3900 U	< 4100 U	370	< 380 U	< 3700 U
Benzo(a)pyrene	1640	1640	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	63 J	270 J	< 370 U	< 1900 U	< 3900 U	< 4100 U	400	< 380 U	< 3700 U
Benzo(b)fluoranthene	5000	5000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	130	< 3900 U	--	540	< 2000 U	130	< 360 U	< 380 U	< 3900 U	< 3800 U	170 J	710	< 370 U	< 1900 U	< 3900 U	< 4100 U	770	< 380 U	390
Benzo(g,h,i)perylene	500000	500000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	580	--	310	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	58 J	220 J	< 370 U	< 1900 U	< 3900 U	< 4100 U	300 J	< 380 U	< 3700 U
Benzo(k)fluoranthene	5000	46000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	450	< 380 U	< 3700 U
Benzyl Alcohol			< 3900 U	4500 D	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	1900	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	2300	1800	< 370 U	< 380 U	< 3700 U
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
bis(2-Chloroethyl)ether			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
bis(2-Chloroisopropyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	50000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	120 J	< 380 U	< 3900 U	< 3800 U	200 J	60 J	120 J	< 1900 U	< 3900 U	< 4100 U	90 J	< 380 U	< 3700 U
Butyl benzyl phthalate	50000	218540	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	47 J	< 380 U	< 3700 U
Chrysene	5000	141000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	100	< 3900 U	--	330	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	110 J	520	< 370 U	< 1900 U	< 3900 U	< 4100 U	650	< 380 U	300
Diallate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Dibenzo(a,h)anthracene	2000	5000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	560	--	230	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Dibenzofuran	1000	1900	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	19 J	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Diethyl phthalate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Dimethoate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Dimethyl phthalate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Dimethylphenethylamine			< 790000 U	< 400000 U	< 740000 U	< 800000 U	< 410000 U	< 780000 U	--	< 390000 U	< 400000 U	< 400000 U	< 74000 U	< 77000 U	< 780000 U	< 780000 U	< 73000 U	< 73000 U	< 75000 U	< 380000 U	< 790000 U	< 830000 U	< 74000 U	< 76000 U	< 750000 U
Di-n-butyl phthalate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Di-n-octyl phthalate	70000	70000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Dinoseb			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Diphenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disulfoton			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Ethyl Methanesulfonate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Famphur			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Fluoranthene	500000	500000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	260	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	42 J	< 380 U	400	640	260 J	1200	62 J	< 1900 U	320	< 4100 U	1300	55 J	600
Fluorene	360000	360000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	45 J	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Hexachlorobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Hexachlorocyclopentadiene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Hexachloroethane			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Hexachlorophene			< 2000000 U	< 1000000 U	< 1900000 U	< 2000000 U	< 1000000 U	< 2000000 U	--	< 1000000 U	< 1000000 U	< 1000000 U	< 190000 U	< 200000 U	< 2000000 U	< 2000000 U	< 190000 U	< 180000 U	< 190000 U	< 960000 U	< 2000000 U	< 2100000 U	< 190000 U	< 190000 U	< 1900000 U
Hexachloropropene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Indeno(1,2,3-cd)pyrene	5000	15000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	510	--	240	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	45 J	180 J	< 370 U	< 1900 U	< 3900 U	< 4100 U	240 J	< 380 U	< 3700 U
Isophorone			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Isosafrole			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Methapyrilene			< 790000 U	< 400000 U	< 740000 U	< 800000 U	< 410000 U	< 780000 U	--	< 390000 U	< 400000 U	< 400000 U	< 74000 U	< 77000 U	< 780000 U	< 780000 U	< 73000 U	< 73000 U	< 75000 U	< 380000 U	< 790000 U	< 830000 U	< 74000 U	< 76000 U	< 750000 U
Methyl methanesulfonate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Methyl parathion			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Naphthalene	100000	100000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Nitrobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
N-Nitrosodiethylamine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
N-Nitrosodimethylamine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
N-Nitrosodi-n-butylamine	1000	1000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
N-Nitrosodi-n-propylamine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
N-Nitrosodiphenylamine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
N-Nitrosomorpholine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U

Location ID			DS-15	DS-15	DS-16	DS-16	DS-17	DS-17	DS-17	DS-18	DS-18	DS-18	DS-2	DS-2	DS-3	DS-3	DS-4	DS-4	DS-5	DS-5	DS-6	DS-6	DS-7	DS-7	DS-8
Sample ID	Type 1/2 RRS	Type 3/4 RRS	DS-15_11/10/08_(0-2)GRAB_NM	DS-15_11/10/08_(2-4)GRAB_NM	DS-16_11/10/08_(0-2)GRAB_NM	DS-16_11/10/08_(2-4)GRAB_NM	DS-17_11/10/08_(0-2)GRAB_NM	DS-17_11/10/08_(2-4)GRAB_NM	DS-17_11/10/08_(2-4)GRAB_DUP	DS-18_11/10/08_(0-2)GRAB_NM	DS-18_11/10/08_(2-4)GRAB_NM	DUP-5_11/10/08_(0-2)GRAB_DUP	DS-2_11/7/08_(0-2)GRAB_NM	DS-2_11/7/08_(2-4)GRAB_NM	DS-3_11/7/08_(0-2)GRAB_NM	DS-3_11/7/08_(2-4)GRAB_NM	DS-4_11/7/08_(0-2)GRAB_NM	DS-4_11/7/08_(2-4)GRAB_NM	DS-5_11/7/08_(0-2)GRAB_NM	DS-5_11/7/08_(2-4)GRAB_NM	DS-6_11/7/08_(0-2)GRAB_NM	DS-6_11/7/08_(2-4)GRAB_NM	DS-7_11/7/08_(0-2)GRAB_NM	DS-7_11/7/08_(2-4)GRAB_NM	DS-8_11/7/08_(0-2)GRAB_NM
Sample Date			11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008	11/07/2008
Sample Type			N	N	N	N	N	N	FD	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N
N-Nitroso-N-methylethylamine	680	1000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
N-Nitrosopiperidine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
N-Nitrosopyrrolidine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
o,o,o-Triethyl phosphorothioate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
o,o,o-Trimethyl thiophosphate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
o-Toluidine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Parathion	20000	20000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
p-Chloroaniline			< 7800 U	< 3900 U	< 7300 U	< 7900 U	< 4000 U	< 7700 U	--	< 3900 U	< 3900 U	< 3900 U	< 730 U	< 760 U	< 7700 U	< 7700 U	< 720 U	< 720 U	< 740 U	< 3700 U	< 7800 U	< 8100 U	< 730 U	< 750 U	< 7400 U
Pentachlorobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Pentachloronitrobenzene			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Pentachlorophenol			< 20000 U	< 10000 U	< 19000 U	< 20000 U	< 10000 U	< 20000 U	--	< 10000 U	< 10000 U	< 10000 U	< 1900 U	< 2000 U	< 20000 U	< 20000 U	< 1900 U	< 1800 U	< 1900 U	< 9600 U	< 20000 U	< 21000 U	< 1900 U	< 1900 U	< 19000 U
Phenacetin			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Phenanthrene	110000	110000	< 3900 U	< 2000 U	< 3700 U	< 4000 U	180	< 3900 U	--	430	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	110 J	310 J	21 J	< 1900 U	< 3900 U	< 4100 U	140 J	< 380 U	280
Phenol			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Phorate			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			< 20000 U	< 10000 U	< 19000 U	< 20000 U	< 10000 U	< 20000 U	--	< 10000 U	< 10000 U	< 10000 U	< 1900 U	< 2000 U	< 20000 U	< 20000 U	< 1900 U	< 1800 U	< 1900 U	< 9600 U	< 20000 U	< 21000 U	< 1900 U	< 1900 U	< 19000 U
Propyzamide			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Pyrene	500000	500000	210	< 2000 U	< 3700 U	< 4000 U	140	< 3900 U	--	480	< 2000 U	< 2000 U	19 J	< 380 U	< 3900 U	< 3800 U	160 J	1000	23 J	< 1900 U	< 3900 U	< 4100 U	810	23 J	490
Pyridine			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Safrole			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Sulfotep			< 3900 U	< 2000 U	< 3700 U	< 4000 U	< 2000 U	< 3900 U	--	< 1900 U	< 2000 U	< 2000 U	< 360 U	< 380 U	< 3900 U	< 3800 U	< 360 U	< 360 U	< 370 U	< 1900 U	< 3900 U	< 4100 U	< 370 U	< 380 U	< 3700 U
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
1,1,1-Trichloroethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
1,1,2,2-Tetrachloroethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
1,1,2-Trichloroethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
1,1-Dichloroethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
1,1-Dichloroethene			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
1,2,3-Trichloropropane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
1,2-Dibromo-3-chloropropane			< 8.6 U	< 11 U	< 9.6 U	< 9.8 U	< 9 U	< 10 U	--	< 10 U	< 9.9 U	< 10 U	< 10 U	< 12 U	< 340 U	< 10 U	< 8.6 U	< 8.1 U	< 11 U	< 11 U	< 9.7 U	< 12 U	< 9.6 U	< 8.9 U	< 8.4 U
1,2-Dibromoethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
1,2-Dichloroethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
1,2-Dichloropropane	500	500	< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
2-Butanone (MEK)	200000	200000	8.4 J	< 28 U	5.7 J	11 J	12 J	< 26 U	--	20 J	10 J	< 26 U	8.8 J	< 29 U	< 850 U	23 J	15 J	9.9 J	3.4 J	17 J	23 J	8.7 J	46	28	5.7 J
2-Chlor-1,3-Butadiene			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
2-Methyl-1-propanol	1000000	1000000	< 170 U	< 220 U	< 190 U	< 200 U	< 180 U	< 210 U	--	< 200 U	< 200 U	< 210 U	< 200 U	< 230 U	< 6800 U	< 200 U	< 170 U	< 160 U	< 230 U	< 220 U	< 190 U	< 240 U	< 190 U	< 180 U	< 170 U
4-Methyl-2-Pentanone	200000	200000	< 21 U	< 28 U	< 24 U	< 24 U	< 23 U	< 26 U	--	< 25 U	< 25 U	< 26 U	< 26 U	< 29 U	< 850 U	< 26 U	< 21 U	< 20 U	< 28 U	< 27 U	< 24 U	< 30 U	< 24 U	< 22 U	< 21 U
Acetone	400000	400000	310	52 J	87	250	240	310	--	320	350	230	100	48 J	560	530	310	180	110	350	510	240	380	410	68
Acetonitrile	20000	20000	< 170 U	< 220 U	< 190 U	< 200 U	< 180 U	< 210 U	--	75 J	< 200 U	< 210 U	< 200 U	< 230 U	< 6800 U	< 200 U	< 170 U	< 160 U	< 230 U	< 220 U	< 190 U	< 240 U	< 190 U	< 180 U	< 170 U
Acrolein	**100**	100	< 86 U	< 110 U	< 96 U	< 98 U	< 90 U	< 100 U	--	< 100 U	< 99 U	< 100 U	< 100 U	< 120 U	< 3400 U	< 100 U	< 86 U	< 81 U	< 110 U	< 110 U	< 97 U	< 120 U	< 96 U	< 89 U	< 84 U
Acrylonitrile			< 86 U	< 110 U	< 96 U	< 98 U	< 90 U	< 100 U	--	< 100 U	< 99 U	< 100 U	< 100 U	< 120 U	< 3400 U	< 100 U	< 86 U	< 81 U	< 110 U	< 110 U	< 97 U	< 120 U	< 96 U	< 89 U	< 84 U
Allyl chloride			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Benzene	500	500	< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	1.8 J	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	1.1 J	3.9 J	1.8 J	1.9 J	< 4.2 U
Bromodichloromethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Bromoform			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Bromomethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Carbon Disulfide	400000	400000	< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	1.6 J	< 5.7 U	< 5.4 U	< 4.8 U	1.7 J	2.5 J	1.1 J	< 4.2 U
Carbon Tetrachloride			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
CFC-11 (Trichlorofluoromethane)			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
CFC-12 (Dichlorodifluoromethane)			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Chlorobenzene	10000	10000	< 52 U	< 22 U	1.1 J	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 20 U	< 23 U	< 170 U	< 51 U	< 8.6 U	< 16 U	< 23 U	< 22 U	< 9.7 U	< 12 U	< 9.6 U	< 8.9 U	< 8.4 U
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Chloroethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Chloroform			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Chloromethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Dibromomethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Dichloromethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Ethyl Methacrylate	300000	300000	< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Ethylbenzene	70000	70000	< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	4.9 J	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	2.1 J	2.8 J	< 4.8 U	< 4.4 U	2 J
Iodomethane			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Methyl N-Butyl Ketone (2-Hexanone)			< 21 U	< 28 U	< 24 U	< 24 U	< 23 U	< 26 U	--	< 25 U	< 25 U	< 26 U	< 26 U	< 29 U	< 850 U	< 26 U	< 21 U	< 20 U	< 28 U	< 27 U	< 24 U	< 30 U	2.8 J	< 22 U	< 21 U
Methylacrylonitrile			< 86 U	< 110 U	< 96 U	< 98 U	< 90 U	< 100 U	--	< 100 U	< 99 U	< 100 U	< 100 U	< 120 U	< 3400 U	< 100 U	< 86 U	< 81 U	< 110 U	< 110 U	< 97 U	< 120 U	< 96 U	< 89 U	< 84 U
m-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			< 21 U	< 28 U	< 24 U	< 24 U	< 23 U	< 26 U	--	< 25 U	< 25 U	< 26 U	< 26 U	< 29 U	< 850 U	< 26 U	< 21 U	< 20 U	< 28 U	< 27 U	< 24 U	< 30 U	< 24 U	< 22 U	< 21 U
Propionitrile			< 86 U	< 110 U	< 96 U	< 98 U	< 90 U	< 100 U	--	< 100 U	< 99 U	< 100 U	< 100 U	< 120 U	< 3400 U	< 100 U	< 86 U	< 81 U	< 110 U	< 110 U	< 97 U	< 120 U	< 96 U	< 89 U	< 84 U
Styrene (Monomer)	14000	14000	< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	2.9 J	< 4.8 U	< 4.4 U	< 4.2 U
Tetrachloroethene	500	500	< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Toluene	100000	100000	4.9	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	1.7 J	< 5 U	< 5.2 U	0.88 J	< 5.8 U	< 170 U	4.8 J	< 4.3 U	0.78 J	1.2 J	1.1 J	29	110	< 4.8 U	1.2 J	4.6
Total Xylenes	1000000	1000000	4.8 J	< 11 U	< 9.6 U	< 9.8 U	2.9 J	9.3 J	--	< 10 U	< 9.9 U	< 10 U	< 10 U	< 12 U	< 340 U	25	< 8.6 U	< 8.1 U	< 11 U	5.4 J	6.6 J	3.1 J	< 9.6 U	< 8.9 U	17
trans-1,2-Dichloroethene			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
trans-1,3-Dichloropropene			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
trans-1,4-Dichloro-2-butene	113	140	20	< 11 U	< 9.6 U	< 9.8 U	< 9 U	< 10 U	--	< 10 U	< 9.9 U	< 10 U	< 10 U	< 12 U	< 340 U	< 10 U	< 8.6 U	< 8.1 U	< 11 U	< 11 U	< 9.7 U	< 12 U	< 9.6 U	< 8.9 U	< 8.4 U
Trichloroethene			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U
Vinyl acetate			< 8.6 U	< 11 U	< 9.6 U	< 9.8 U	< 9 U	< 10 U	--	< 10 U	< 9.9 U	< 10 U	< 10 U	< 12 U	< 340 U	< 10 U	< 8.6 U	< 8.1 U	< 11 U	< 11 U	< 9.7 U	< 12 U	< 9.6 U	< 8.9 U	< 8.4 U
Vinyl chloride			< 4.3 U	< 5.5 U	< 4.8 U	< 4.9 U	< 4.5 U	< 5.1 U	--	< 5 U	< 5 U	< 5.2 U	< 5.1 U	< 5.8 U	< 170 U	< 5.1 U	< 4.3 U	< 4.1 U	< 5.7 U	< 5.4 U	< 4.8 U	< 5.9 U	< 4.8 U	< 4.4 U	< 4.2 U

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	DS-9	DS-9	EX-19	EX-21	EX-22	EX-23	EX-26	EX-27	EX-27	GP-10	GP-11	GP-13	GP-14	GP-15	GP-16	GP-18	GP-2	GP-5	GP-6	GP-7	GP-8	Hard Resins	Hard Resins
Sample ID			DS-9_11/7/08_(0-2)GRAB_NM	DS-9_11/7/08_(2-4)GRAB_NM	EX-19 0-2(07272007)	EX-21 0-2(07272007)	EX-22 0-2(07272007)	EX-23 0-2(07272007)	EX-26 0-2(07272007)	EX-27 0-2(07272007)	DUP-1(07272007)	GP-10 0-2FT(07262007)	GP-11 0-2FT(07262007)	GP-13 0-2FT(07262007)	GP-14 0-2FT(07262007)	GP-15 0-2FT(07262007)	GP-16 0-2FT(07272007)	GP-18 0-2FT(07272007)	GP-2 0-2FT(07262007)	GP-5 0-2FT(07262007)	GP-6 0-2FT(07262007)	GP-7 0-2FT(07262007)	GP-8 0-2FT(07262007)	HARD RESINS_6/5/00_(1-3)GRAB_NM	HARD RESINS_6/5/00_(4-6)GRAB_NM
Sample Date			11/07/2008	11/07/2008	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	07/27/2007	07/27/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	06/05/2000	06/05/2000
Sample Type			N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																									
pH (Standard Units)			8.8	8.96	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxicity Equivalent Quotient			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/kg)																									
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/kg)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																									
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)																									
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	< 450 U	**9000 D**	**700000**	**6400**	**1100**	< 370 U	**44000**	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
1,2,4,5-Tetrachlorobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
1,2,4-Trichlorobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
1,2-Dichlorobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
1,3,5-Trinitrobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
1,3-Dichlorobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	DS-9	DS-9	EX-19	EX-21	EX-22	EX-23	EX-26	EX-27	EX-27	GP-10	GP-11	GP-13	GP-14	GP-15	GP-16	GP-18	GP-2	GP-5	GP-6	GP-7	GP-8	Hard Resins	Hard Resins
Sample ID			DS-9_11/7/08_(0-2)GRAB_NM	DS-9_11/7/08_(2-4)GRAB_NM	EX-19 0-2(07272007)	EX-21 0-2(07272007)	EX-22 0-2(07272007)	EX-23 0-2(07272007)	EX-26 0-2(07272007)	EX-27 0-2(07272007)	DUP-1(07272007)	GP-10 0-2FT(07262007)	GP-11 0-2FT(07262007)	GP-13 0-2FT(07262007)	GP-14 0-2FT(07262007)	GP-15 0-2FT(07262007)	GP-16 0-2FT(07272007)	GP-18 0-2FT(07272007)	GP-2 0-2FT(07262007)	GP-5 0-2FT(07262007)	GP-6 0-2FT(07262007)	GP-7 0-2FT(07262007)	GP-8 0-2FT(07262007)	HARD RESINS_6/5/00_(1-3)GRAB_NM	HARD RESINS_6/5/00_(4-6)GRAB_NM
Sample Date			11/07/2008	11/07/2008	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	07/27/2007	07/27/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	06/05/2000	06/05/2000
Sample Type			N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
1,3-Dinitrobenzene	1050	1050	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
1,4-Dichlorobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
1,4-Dioxane	7000	7000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
1,4-Naphthoquinone			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
1-Naphthylamine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2,2-Oxybis(1-Chloropropane)			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2,3,4,6-Tetrachlorophenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2,4,5-Trichlorophenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2,4,6-Trichlorophenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2,4-Dichlorophenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2,4-Dimethylphenol	70000	70000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2,4-Dinitrophenol			< 2300 U	< 4100 U	< 1100000 U	< 20000 U	< 3800 U	< 1900 U	< 82000 U	< 10000 U	< 9900 U	< 10000 U	< 1900 U	< 10000 U	< 2000 U	< 2000 U	< 9600 U	< 2000 U	< 2000 U	< 2000 U	< 40000 U	< 2000 U	< 2500000 U	--	--
2,4-Dinitrotoluene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2,6-Dichlorophenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2,6-Dinitrotoluene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2-Acetylaminofluorene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2-Chloronaphthalene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2-Chlorophenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2-Methyl-4,6-dinitrophenol			< 2300 U	< 4100 U	< 1100000 U	< 20000 U	< 3800 U	< 1900 U	< 82000 U	< 10000 U	< 9900 U	< 10000 U	< 1900 U	< 10000 U	< 2000 U	< 2000 U	< 9600 U	< 2000 U	< 2000 U	< 2000 U	< 40000 U	< 2000 U	< 2500000 U	--	--
2-Methylnaphthalene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2-Methylphenol	3800	4100	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2-Naphthylamine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2-Nitroaniline			< 2300 U	< 4100 U	< 1100000 U	< 20000 U	< 3800 U	< 1900 U	< 82000 U	< 10000 U	< 9900 U	< 10000 U	< 1900 U	< 10000 U	< 2000 U	< 2000 U	< 9600 U	< 2000 U	< 2000 U	< 2000 U	< 40000 U	< 2000 U	< 2500000 U	--	--
2-Nitrophenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
2-Picoline			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
3,3-Dichlorobenzidine			< 900 U	< 1600 U	< 420000 U	< 7600 U	< 1500 U	< 730 U	< 32000 U	< 4000 U	< 3800 U	< 4000 U	< 750 U	< 3900 U	< 780 U	< 770 U	< 3700 U	< 760 U	< 780 U	< 760 U	< 16000 U	< 780 U	< 980000 U	--	--
3,3-Dimethylbenzidine			< 2300 U	< 4100 U	< 1100000 U	< 20000 U	< 3800 U	< 1900 U	< 82000 U	< 10000 U	< 9900 U	< 10000 U	< 1900 U	< 10000 U	< 2000 U	< 2000 U	< 9600 U	< 2000 U	< 2000 U	< 2000 U	< 40000 U	< 2000 U	< 2500000 U	--	--
3-Methylchloranthrene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
3-Methylphenol, 4-Methylphenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
3-Nitroaniline			< 2300 U	< 4100 U	< 1100000 U	< 20000 U	< 3800 U	< 1900 U	< 82000 U	< 10000 U	< 9900 U	< 10000 U	< 1900 U	< 10000 U	< 2000 U	< 2000 U	< 9600 U	< 2000 U	< 2000 U	< 2000 U	< 40000 U	< 2000 U	< 2500000 U	--	--
4-Aminobiphenyl			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
4-Bromophenyl phenyl ether			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
4-Chloro-3-Methylphenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
4-Chlorophenyl phenyl ether			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
4-Dimethylaminoazobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
4-Methylphenol	3800	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline			< 2300 U	< 4100 U	< 1100000 U	< 20000 U	< 3800 U	< 1900 U	< 82000 U	< 10000 U	< 9900 U	< 10000 U	< 1900 U	< 10000 U	< 2000 U	< 2000 U	< 9600 U	< 2000 U	< 2000 U	< 2000 U	< 40000 U	< 2000 U	< 2500000 U	--	--
4-Nitrophenol			< 2300 U	< 4100 U	< 1100000 U	< 20000 U	< 3800 U	< 1900 U	< 82000 U	< 10000 U	< 9900 U	< 10000 U	< 1900 U	< 10000 U	< 2000 U	< 2000 U	< 9600 U	< 2000 U	< 2000 U	< 2000 U	< 40000 U	< 2000 U	< 2500000 U	--	--
4-Nitroquinoline-N-Oxide			< 4500 U	< 7900 U	< 2100000 U	< 38000 U	< 7400 U	< 3700 U	< 160000 U	< 20000 U	< 19000 U	< 20000 U	< 3800 U	< 20000 U	< 3900 U	< 3900 U	< 19000 U	< 3800 U	< 3900 U	< 3800 U	< 78000 U	< 3900 U	< 4900000 U	--	--
5-Nitro-o-Toluidine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
7,12-Dimethylbenz(a)anthracene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Acenaphthene	300000	300000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Acenaphthylene	130000	130000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Acetophenone	400000	400000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
alpha,alpha-Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	**2000**	2000	< 900 U	< 1600 U	< 420000 U	< 7600 U	< 1500 U	< 730 U	< 32000 U	< 4000 U	< 3800 U	< 4000 U	< 750 U	< 3900 U	< 780 U	< 770 U	< 3700 U	< 760 U	< 780 U	< 760 U	< 16000 U	< 780 U	< 980000 U	--	--
Anthracene	500000	1009000	< 450 U	79	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Aramite			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Benzo(a)anthracene	5000	5000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Benzo(a)pyrene	1640	1640	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	440	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Benzo(b)fluoranthene	5000	5000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	450	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Benzo(g,h,i)perylene	500000	500000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Benzo(k)fluoranthene	5000	46000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Benzyl Alcohol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
bis(2-Chloroethyl)ether			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
bis(2-Chloroisopropyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	50000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	690	< 490000 U	--	--
Butyl benzyl phthalate	50000	218540	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Chrysene	5000	141000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Diallate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Dibenzo(a,h)anthracene	2000	5000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Dibenzofuran	1000	1900	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Diethyl phthalate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Dimethoate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Dimethyl phthalate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Dimethylphenethylamine			< 91000 U	< 160000 U	< 43000000 U	< 770000 U	< 150000 U	< 74000 U	< 3200000 U	< 400000 U	< 390000 U	< 410000 U	< 76000 U	< 400000 U	< 79000 U	< 78000 U	< 380000 U	< 78000 U	< 79000 U	< 77000 U	< 1600000 U	< 80000 U	< 99000000 U	--	--
Di-n-butyl phthalate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Di-n-octyl phthalate	70000	70000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Dinoseb			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Diphenyl ether			--	--	2900000	44000	8500	< 370 U	180000	9500	2200	< 2000 U	< 380 U	< 2000 U	4100	< 390 U	< 1900 U	< 380 U	4700	< 380 U	120000	600	6900000	--	--
Disulfoton			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Ethyl Methanesulfonate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Famphur			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Fluoranthene	500000	500000	< 450 U	730	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Fluorene	360000	360000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	920	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Hexachlorobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Hexachlorocyclopentadiene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Hexachloroethane			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Hexachlorophene			< 230000 U	< 410000 U	< 110000000 U	< 2000000 U	< 380000 U	< 190000 U	< 8200000 U	< 1000000 U	< 990000 U	< 1000000 U	< 190000 U	< 1000000 U	< 200000 U	< 200000 U	< 960000 U	< 200000 U	< 200000 U	< 200000 U	< 4000000 U	< 200000 U	< 250000000 U	--	--
Hexachloropropene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Indeno(1,2,3-cd)pyrene	5000	15000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Isophorone			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Isosafrole			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Methapyrilene			< 91000 U	< 160000 U	< 43000000 U	< 770000 U	< 150000 U	< 74000 U	< 3200000 U	< 400000 U	< 390000 U	< 410000 U	< 76000 U	< 400000 U	< 79000 U	< 78000 U	< 380000 U	< 78000 U	< 79000 U	< 77000 U	< 1600000 U	< 80000 U	< 99000000 U	--	--
Methyl methanesulfonate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Methyl parathion			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Naphthalene	100000	100000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Nitrobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
N-Nitrosodiethylamine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
N-Nitrosodimethylamine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
N-Nitrosodi-n-butylamine	1000	1000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
N-Nitrosodi-n-propylamine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
N-Nitrosodiphenylamine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
N-Nitrosomorpholine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--

Location ID			DS-9	DS-9	EX-19	EX-21	EX-22	EX-23	EX-26	EX-27	EX-27	GP-10	GP-11	GP-13	GP-14	GP-15	GP-16	GP-18	GP-2	GP-5	GP-6	GP-7	GP-8	Hard Resins	Hard Resins
Sample ID	Type 1/2 RRS	Type 3/4 RRS	DS-9_11/7/08_(0-2)GRAB_NM	DS-9_11/7/08_(2-4)GRAB_NM	EX-19 0-2(07272007)	EX-21 0-2(07272007)	EX-22 0-2(07272007)	EX-23 0-2(07272007)	EX-26 0-2(07272007)	EX-27 0-2(07272007)	DUP-1(07272007)	GP-10 0-2FT(07262007)	GP-11 0-2FT(07262007)	GP-13 0-2FT(07262007)	GP-14 0-2FT(07262007)	GP-15 0-2FT(07262007)	GP-16 0-2FT(07272007)	GP-18 0-2FT(07272007)	GP-2 0-2FT(07262007)	GP-5 0-2FT(07262007)	GP-6 0-2FT(07262007)	GP-7 0-2FT(07262007)	GP-8 0-2FT(07262007)	HARD RESINS_6/5/00_(1-3)GRAB_NM	HARD RESINS_6/5/00_(4-6)GRAB_NM
Sample Date			11/07/2008	11/07/2008	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/27/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	07/27/2007	07/27/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	07/26/2007	06/05/2000	06/05/2000
Sample Type			N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N
N-Nitroso-N-methylethylamine	680	1000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
N-Nitrosopiperidine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
N-Nitrosopyrrolidine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
o,o,o-Triethyl phosphorothioate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
o,o,o-Trimethyl thiophosphate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
o-Toluidine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Parathion	20000	20000	< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
p-Chloroaniline			< 900 U	< 1600 U	< 420000 U	< 7600 U	< 1500 U	< 730 U	< 32000 U	< 4000 U	< 3800 U	< 4000 U	< 750 U	< 3900 U	< 780 U	< 770 U	< 3700 U	< 760 U	< 780 U	< 760 U	< 16000 U	< 780 U	< 980000 U	--	--
Pentachlorobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Pentachloronitrobenzene			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Pentachlorophenol			< 2300 U	< 4100 U	< 1100000 U	< 20000 U	< 3800 U	< 1900 U	< 82000 U	< 10000 U	< 9900 U	< 10000 U	< 1900 U	< 10000 U	< 2000 U	< 2000 U	< 9600 U	< 2000 U	< 2000 U	< 2000 U	< 40000 U	< 2000 U	< 2500000 U	--	--
Phenacetin			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Phenanthrene	110000	110000	< 450 U	160	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	420	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Phenol			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Phorate			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			< 2300 U	< 4100 U	< 1100000 U	< 20000 U	< 3800 U	< 1900 U	< 82000 U	< 10000 U	< 9900 U	< 10000 U	< 1900 U	< 10000 U	< 2000 U	< 2000 U	< 9600 U	< 2000 U	< 2000 U	< 2000 U	< 40000 U	< 2000 U	< 2500000 U	--	--
Propyzamide			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Pyrene	500000	500000	< 450 U	81	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	450	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Pyridine			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Safrole			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Sulfotep			< 450 U	< 790 U	< 210000 U	< 3800 U	< 740 U	< 370 U	< 16000 U	< 2000 U	< 1900 U	< 2000 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 1900 U	< 380 U	< 390 U	< 380 U	< 7800 U	< 390 U	< 490000 U	--	--
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
1,1,1-Trichloroethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
1,1,2,2-Tetrachloroethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
1,1,2-Trichloroethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
1,1-Dichloroethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
1,1-Dichloroethene			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
1,2,3-Trichloropropane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
1,2-Dibromo-3-chloropropane			< 11 U	< 9.1 U	< 1400 U	< 13 U	< 2300 U	< 7400 U	< 480 U	< 1300 U	< 730 U	< 480 U	< 400 U	< 510 U	< 330 U	< 340 U	< 1300 U	< 14 U	< 590 U	< 490 U	< 440 U	< 490 U	< 680 U	--	--
1,2-Dibromoethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
1,2-Dichloroethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
1,2-Dichloropropane	500	500	< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
2-Butanone (MEK)	200000	200000	38	37	< 3400 U	< 32 U	< 5600 U	< 19000 U	< 1200 U	< 3200 U	< 1800 U	< 1200 U	< 1000 U	< 1300 U	< 830 U	< 860 U	< 3300 U	< 36 U	< 1500 U	< 1200 U	< 1100 U	< 1200 U	< 1700 U	--	--
2-Chlor-1,3-Butadiene			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
2-Methyl-1-propanol	1000000	1000000	< 230 U	< 180 U	< 27000 U	< 260 U	< 45000 U	< 150000 U	< 9500 U	< 26000 U	< 15000 U	< 9700 U	< 8000 U	< 10000 U	< 6700 U	< 6900 U	< 27000 U	< 290 U	< 12000 U	< 9700 U	< 8800 U	< 9800 U	< 14000 U	--	--
4-Methyl-2-Pentanone	200000	200000	< 28 U	< 23 U	< 3400 U	< 32 U	< 5600 U	< 19000 U	< 1200 U	< 3200 U	< 1800 U	< 1200 U	< 1000 U	< 1300 U	< 830 U	< 860 U	< 3300 U	< 36 U	< 1500 U	< 1200 U	< 1100 U	< 1200 U	< 1700 U	--	--
Acetone	400000	400000	320	440	< 6800 U	180	< 11000 U	< 37000 U	< 2400 U	< 6400 U	< 3600 U	< 2400 U	< 2000 U	< 2500 U	< 1700 U	< 1700 U	< 6700 U	130	< 3000 U	< 2400 U	< 2200 U	< 2400 U	< 3400 U	--	--
Acetonitrile	20000	20000	< 230 U	< 180 U	< 27000 U	< 260 U	< 45000 U	< 150000 U	< 9500 U	< 26000 U	< 15000 U	< 9700 U	< 8000 U	< 10000 U	< 6700 U	< 6900 U	< 27000 U	< 290 U	< 12000 U	< 9700 U	< 8800 U	< 9800 U	< 14000 U	--	--
Acrolein	**100**	100	< 110 U	< 91 U	< 14000 U	< 130 U	< 23000 U	< 74000 U	< 4800 U	< 13000 U	< 7300 U	< 4800 U	< 4000 U	< 5100 U	< 3300 U	< 3400 U	< 13000 U	< 140 U	< 5900 U	< 4900 U	< 4400 U	< 4900 U	< 6800 U	< 110 U	< 130 U
Acrylonitrile			< 110 U	< 91 U	< 14000 U	< 130 U	< 23000 U	< 74000 U	< 4800 U	< 13000 U	< 7300 U	< 4800 U	< 4000 U	< 5100 U	< 3300 U	< 3400 U	< 13000 U	< 140 U	< 5900 U	< 4900 U	< 4400 U	< 4900 U	< 6800 U	--	--
Allyl chloride			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Benzene	500	500	37	3.9 J	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Bromodichloromethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Bromoform			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Bromomethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Carbon Disulfide	400000	400000	< 5.7 U	8.3	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Carbon Tetrachloride			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
CFC-11 (Trichlorofluoromethane)			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
CFC-12 (Dichlorodifluoromethane)			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Chlorobenzene	10000	10000	< 23 U	< 9.1 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Chloroethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Chloroform			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Chloromethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
cis-1,2-Dichloroethene			--	--	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
cis-1,3-Dichloropropene			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Dibromomethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Dichloromethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Ethyl Methacrylate	300000	300000	< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	890	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Ethylbenzene	70000	70000	3 J	3.9 J	3300	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	970	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	670	--	--
Iodomethane			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Methyl N-Butyl Ketone (2-Hexanone)			< 28 U	< 23 U	< 3400 U	< 32 U	< 5600 U	< 19000 U	< 1200 U	< 3200 U	< 1800 U	< 1200 U	< 1000 U	< 1300 U	< 830 U	< 860 U	< 3300 U	< 36 U	< 1500 U	< 1200 U	< 1100 U	< 1200 U	< 1700 U	--	--
Methylacrylonitrile			< 110 U	< 91 U	< 14000 U	< 130 U	< 23000 U	< 74000 U	< 4800 U	< 13000 U	< 7300 U	< 4800 U	< 4000 U	< 5100 U	< 3300 U	< 3400 U	< 13000 U	< 140 U	< 5900 U	< 4900 U	< 4400 U	< 4900 U	< 6800 U	--	--
m-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			< 28 U	< 23 U	< 3400 U	< 32 U	< 5600 U	< 19000 U	< 1200 U	< 3200 U	< 1800 U	< 1200 U	< 1000 U	< 1300 U	< 830 U	< 860 U	< 3300 U	< 36 U	< 1500 U	< 1200 U	< 1100 U	< 1200 U	< 1700 U	--	--
Propionitrile			< 110 U	< 91 U	< 14000 U	< 130 U	< 23000 U	< 74000 U	< 4800 U	< 13000 U	< 7300 U	< 4800 U	< 4000 U	< 5100 U	< 3300 U	< 3400 U	< 13000 U	< 140 U	< 5900 U	< 4900 U	< 4400 U	< 4900 U	< 6800 U	--	--
Styrene (Monomer)	14000	14000	< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Tetrachloroethene	500	500	< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Toluene	100000	100000	1 J	6.5	2800	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	430	< 200 U	< 250 U	< 170 U	< 170 U	790	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Total Xylenes	1000000	1000000	5.7 J	12	14000	< 13 U	2300	< 7400 U	< 480 U	2600	< 730 U	8100	< 400 U	1100	< 330 U	< 340 U	4000	< 14 U	< 590 U	< 490 U	< 440 U	890	1300	--	--
trans-1,2-Dichloroethene			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
trans-1,3-Dichloropropene			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
trans-1,4-Dichloro-2-butene	113	140	< 11 U	< 9.1 U	< 1400 U	< 13 U	< 2300 U	< 7400 U	< 480 U	< 1300 U	< 730 U	< 480 U	< 400 U	< 510 U	< 330 U	< 340 U	< 1300 U	< 14 U	< 590 U	< 490 U	< 440 U	< 490 U	< 680 U	--	--
Trichloroethene			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--
Vinyl acetate			< 11 U	< 9.1 U	< 1400 U	< 13 U	< 2300 U	< 7400 U	< 480 U	< 1300 U	< 730 U	< 480 U	< 400 U	< 510 U	< 330 U	< 340 U	< 1300 U	< 14 U	< 590 U	< 490 U	< 440 U	< 490 U	< 680 U	--	--
Vinyl chloride			< 5.7 U	< 4.6 U	< 680 U	< 6.4 U	< 1100 U	< 3700 U	< 240 U	< 640 U	< 360 U	< 240 U	< 200 U	< 250 U	< 170 U	< 170 U	< 670 U	< 7.2 U	< 300 U	< 240 U	< 220 U	< 240 U	< 340 U	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-100	SB-100	SB-100	SB-101	SB-101	SB-102	SB-102	SB-103	SB-103	SB-103	SB-105	SB-105	SB-107	SB-107	SB-107	SB-36	SB-36	SB-36	SB-36	SB-37	SB-37	SB-37	SB-37
Sample ID			SB-100_11/6/08_(2-4)GRAB_NM	SB-100_11/6/08_(4-6)GRAB_NM	DUP-1_11/6/08_(2-4)GRAB_DUP	SB-101_11/6/08_(2-4)GRAB_NM	SB-101_11/6/08_(4-6)GRAB_NM	SB-102_11/6/08_(2-4)GRAB_NM	SB-102_11/6/08_(4-6)GRAB_NM	SB-103_11/6/08_(0-2)GRAB_NM	SB-103_11/6/08_(2-4)GRAB_NM	SB-103_11/6/08_(4-6)GRAB_NM	SB-105_11/6/08_(2-4)GRAB_NM	SB-105_11/6/08_(4-6)GRAB_NM	SB-107_11/6/08_(0-2)GRAB_NM	SB-107_11/6/08_(2-4)GRAB_NM	SB-107_11/6/08_(4-6)GRAB_NM	SB-36_11/8/02_(0-2)GRAB_NM	SB-36_11/8/02_(13-15)GRAB_NM	SB-36_11/8/02_(4-6)GRAB_NM	SB-36_11/8/02_(8-12)GRAB_NM	SB-37_11/8/02_(0-2)GRAB_NM	SB-37_11/8/02_(13-15)GRAB_NM	SB-37_11/8/02_(4-6)GRAB_NM	SB-37_11/8/02_(8-12)GRAB_NM
Sample Date			11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002
Sample Type			N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																									
pH (Standard Units)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.8	5.8	6.6	5.5	6.5	6.2	6.4	5.5
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID			SB-100	SB-100	SB-100	SB-101	SB-101	SB-102	SB-102	SB-103	SB-103	SB-103	SB-105	SB-105	SB-107	SB-107	SB-107	SB-36	SB-36	SB-36	SB-36	SB-37	SB-37	SB-37	SB-37
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SB-100_11/6/08_(2-4)GRAB_NM	SB-100_11/6/08_(4-6)GRAB_NM	DUP-1_11/6/08_(2-4)GRAB_DUP	SB-101_11/6/08_(2-4)GRAB_NM	SB-101_11/6/08_(4-6)GRAB_NM	SB-102_11/6/08_(2-4)GRAB_NM	SB-102_11/6/08_(4-6)GRAB_NM	SB-103_11/6/08_(0-2)GRAB_NM	SB-103_11/6/08_(2-4)GRAB_NM	SB-103_11/6/08_(4-6)GRAB_NM	SB-105_11/6/08_(2-4)GRAB_NM	SB-105_11/6/08_(4-6)GRAB_NM	SB-107_11/6/08_(0-2)GRAB_NM	SB-107_11/6/08_(2-4)GRAB_NM	SB-107_11/6/08_(4-6)GRAB_NM	SB-36_11/8/02_(0-2)GRAB_NM	SB-36_11/8/02_(13-15)GRAB_NM	SB-36_11/8/02_(4-6)GRAB_NM	SB-36_11/8/02_(8-12)GRAB_NM	SB-37_11/8/02_(0-2)GRAB_NM	SB-37_11/8/02_(13-15)GRAB_NM	SB-37_11/8/02_(4-6)GRAB_NM	SB-37_11/8/02_(8-12)GRAB_NM
Sample Date			11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002
Sample Type			N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
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Acenaphthene	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Di-n-octyl phthalate	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID			SB-100	SB-100	SB-100	SB-101	SB-101	SB-102	SB-102	SB-103	SB-103	SB-103	SB-105	SB-105	SB-107	SB-107	SB-107	SB-36	SB-36	SB-36	SB-36	SB-37	SB-37	SB-37	SB-37
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SB-100_11/6/08_(2-4)GRAB_NM	SB-100_11/6/08_(4-6)GRAB_NM	DUP-1_11/6/08_(2-4)GRAB_DUP	SB-101_11/6/08_(2-4)GRAB_NM	SB-101_11/6/08_(4-6)GRAB_NM	SB-102_11/6/08_(2-4)GRAB_NM	SB-102_11/6/08_(4-6)GRAB_NM	SB-103_11/6/08_(0-2)GRAB_NM	SB-103_11/6/08_(2-4)GRAB_NM	SB-103_11/6/08_(4-6)GRAB_NM	SB-105_11/6/08_(2-4)GRAB_NM	SB-105_11/6/08_(4-6)GRAB_NM	SB-107_11/6/08_(0-2)GRAB_NM	SB-107_11/6/08_(2-4)GRAB_NM	SB-107_11/6/08_(4-6)GRAB_NM	SB-36_11/8/02_(0-2)GRAB_NM	SB-36_11/8/02_(13-15)GRAB_NM	SB-36_11/8/02_(4-6)GRAB_NM	SB-36_11/8/02_(8-12)GRAB_NM	SB-37_11/8/02_(0-2)GRAB_NM	SB-37_11/8/02_(13-15)GRAB_NM	SB-37_11/8/02_(4-6)GRAB_NM	SB-37_11/8/02_(8-12)GRAB_NM
Sample Date			11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002
Sample Type			N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
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2-Butanone (MEK)	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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4-Methyl-2-Pentanone	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Benzene	500	500	< 4.2 U	< 4.9 U	3.2 J	< 4.8 U	< 4.4 U	< 4.2 U	< 4.5 U	< 4.1 U	< 1600 U	< 1700 U	< 4 U	< 4.3 U	< 4.4 U	< 4.3 U	< 4.8 U	--	--	--	--	--	--	--	--
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Carbon Disulfide	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Ethylbenzene	70000	70000	< 4.2 U	< 4.9 U	2 J	2.3 J	6.3	< 4.2 U	0.87 J	< 4.1 U	2100 D	1300	< 4 U	< 4.3 U	< 4.4 U	< 4.3 U	< 4.8 U	--	--	--	--	--	--	--	--
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Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	0.71 J	< 4.9 U	11	1.5 J	4.8	1.1 J	4.6	0.68 J	2200 D	1500	< 4 U	0.77 J	< 4.4 U	< 4.3 U	0.89 J	--	--	--	--	--	--	--	--
Total Xylenes	1000000	1000000	< 8.5 U	< 9.9 U	14	20	57	< 8.3 U	8 J	< 8.1 U	15000 D	9100 D	< 8 U	< 8.6 U	< 8.8 U	< 8.6 U	< 9.7 U	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-38	SB-38	SB-38	SB-38	SB-39	SB-39	SB-39	SB-39	SB-40	SB-40	SB-40	SB-40	SB-41	SB-41	SB-41	SB-41	SB-42	SB-42	SB-42	SB-42	SB-98	SB-98	SB-98
Sample ID			SB-38_11/8/02_(0-2)GRAB_NM	SB-38_11/8/02_(13-15)GRAB_NM	SB-38_11/8/02_(4-6)GRAB_NM	SB-38_11/8/02_(8-12)GRAB_NM	SB-39_11/8/02_(0-2)GRAB_NM	SB-39_11/8/02_(13-15)GRAB_NM	SB-39_11/8/02_(4-6)GRAB_NM	SB-39_11/8/02_(8-12)GRAB_NM	SB-40_11/8/02_(0-2)GRAB_NM	SB-40_11/8/02_(13-15)GRAB_NM	SB-40_11/8/02_(4-6)GRAB_NM	SB-40_11/8/02_(8-12)GRAB_NM	SB-41_11/8/02_(0-2)GRAB_NM	SB-41_11/8/02_(13-15)GRAB_NM	SB-41_11/8/02_(4-6)GRAB_NM	SB-41_11/8/02_(8-12)GRAB_NM	SB-42_11/8/02_(0-2)GRAB_NM	SB-42_11/8/02_(13-15)GRAB_NM	SB-42_11/8/02_(4-6)GRAB_NM	SB-42_11/8/02_(8-12)GRAB_NM	SB-98_11/6/08_(2-4)GRAB_NM	SB-98_11/6/08_(4-6)GRAB_NM	DUP-3_11/6/08_(2-4)GRAB_DUP
Sample Date			11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/06/2008	11/06/2008	11/06/2008
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Field Parameters																									
pH (Standard Units)			12	12	11	12	12	11	11	7.7	9	7.2	11	6	10	12	12	5.7	8.6	6	9.7	8.3	--	--	--
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxicity Equivalent Quotient			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/kg)																									
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/kg)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																									
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)																									
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID			SB-38	SB-38	SB-38	SB-38	SB-39	SB-39	SB-39	SB-39	SB-40	SB-40	SB-40	SB-40	SB-41	SB-41	SB-41	SB-41	SB-42	SB-42	SB-42	SB-42	SB-98	SB-98	SB-98
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SB-38_11/8/02_(0-2)GRAB_NM	SB-38_11/8/02_(13-15)GRAB_NM	SB-38_11/8/02_(4-6)GRAB_NM	SB-38_11/8/02_(8-12)GRAB_NM	SB-39_11/8/02_(0-2)GRAB_NM	SB-39_11/8/02_(13-15)GRAB_NM	SB-39_11/8/02_(4-6)GRAB_NM	SB-39_11/8/02_(8-12)GRAB_NM	SB-40_11/8/02_(0-2)GRAB_NM	SB-40_11/8/02_(13-15)GRAB_NM	SB-40_11/8/02_(4-6)GRAB_NM	SB-40_11/8/02_(8-12)GRAB_NM	SB-41_11/8/02_(0-2)GRAB_NM	SB-41_11/8/02_(13-15)GRAB_NM	SB-41_11/8/02_(4-6)GRAB_NM	SB-41_11/8/02_(8-12)GRAB_NM	SB-42_11/8/02_(0-2)GRAB_NM	SB-42_11/8/02_(13-15)GRAB_NM	SB-42_11/8/02_(4-6)GRAB_NM	SB-42_11/8/02_(8-12)GRAB_NM	SB-98_11/6/08_(2-4)GRAB_NM	SB-98_11/6/08_(4-6)GRAB_NM	DUP-3_11/6/08_(2-4)GRAB_DUP
Sample Date			11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/06/2008	11/06/2008	11/06/2008
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
1,3-Dinitrobenzene	1050	1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Benzo(a)anthracene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	1640	1640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	5000	46000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Fluorene	360000	360000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID			SB-38	SB-38	SB-38	SB-38	SB-39	SB-39	SB-39	SB-39	SB-40	SB-40	SB-40	SB-40	SB-41	SB-41	SB-41	SB-41	SB-42	SB-42	SB-42	SB-42	SB-98	SB-98	SB-98
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SB-38_11/8/02_(0-2)GRAB_NM	SB-38_11/8/02_(13-15)GRAB_NM	SB-38_11/8/02_(4-6)GRAB_NM	SB-38_11/8/02_(8-12)GRAB_NM	SB-39_11/8/02_(0-2)GRAB_NM	SB-39_11/8/02_(13-15)GRAB_NM	SB-39_11/8/02_(4-6)GRAB_NM	SB-39_11/8/02_(8-12)GRAB_NM	SB-40_11/8/02_(0-2)GRAB_NM	SB-40_11/8/02_(13-15)GRAB_NM	SB-40_11/8/02_(4-6)GRAB_NM	SB-40_11/8/02_(8-12)GRAB_NM	SB-41_11/8/02_(0-2)GRAB_NM	SB-41_11/8/02_(13-15)GRAB_NM	SB-41_11/8/02_(4-6)GRAB_NM	SB-41_11/8/02_(8-12)GRAB_NM	SB-42_11/8/02_(0-2)GRAB_NM	SB-42_11/8/02_(13-15)GRAB_NM	SB-42_11/8/02_(4-6)GRAB_NM	SB-42_11/8/02_(8-12)GRAB_NM	SB-98_11/6/08_(2-4)GRAB_NM	SB-98_11/6/08_(4-6)GRAB_NM	DUP-3_11/6/08_(2-4)GRAB_DUP
Sample Date			11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/06/2008	11/06/2008	11/06/2008
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
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1,2-Dibromoethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlor-1,3-Butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	**100**	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Allyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4.8 U	< 5 U	< 4.3 U
Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4.8 U	0.9 J	< 4.3 U
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4.8 U	< 5 U	< 4.3 U
Total Xylenes	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 9.6 U	3.7 J	< 8.6 U
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-99	SB-99	SB-F1	SB-F12	SB-F14	SB-F14/F12	SB-F14/F12/F3	SB-F15	SB-F19	SB-F27	SB-F3	SB-F3A	SB-F3RE	SB-F4	SB-F6	SB-F6/F4/F15/F27	SD-F6	SD-F6/F7/F8	SD-F7	SD-F8	South Sump	South Sump	SS-1
Sample ID			SB-99_11/6/08_(2-4)GRAB_NM	SB-99_11/6/08_(4-6)GRAB_NM	SB-F1_10/19/00_(1-3)GRAB_NM	SB-F12_10/20/00_(1-3)GRAB_NM	SB-F14_10/19/00_(1-3)GRAB_NM	SB-F14/F12_10/20/00_(1-3)COMP_H_NM	SB-F14/F12/F3_10/19/00_(0-3)COMP_H_NM	SB-F15_10/18/00_(0-3)GRAB_NM	SB-F19_10/17/00_(0-3)GRAB_NM	SB-F27_10/19/00_(1-3)GRAB_NM	SB-F3_10/24/00_(0-2)GRAB_NM	SB-F3A_11/8/02_(0-1)GRAB_NM	SB-F3RE_12/19/02_(0-2)GRAB_NM	SB-F4_10/19/00_(0.5-2)GRAB_NM	SB-F6_10/19/00_(1-3)GRAB_NM	SB-F6/F4/F15/F27_10/20/00_(0.5-3)COMP_H	SD-F6_11/2/00_(0-0.5)GRAB_NM	SD-F6/F7/F8_11/2/00_(0-0.5)COMP_H_NM	SD-F7_11/2/00_(0-0.5)GRAB_NM	SD-F8_11/2/00_(0-0.5)GRAB_NM	SOUTH SUMP_1/19/00_(1-3)GRAB_NM	SOUTH SUMP_1/19/00_(4-5)GRAB_NM	SS-1_7/2/04_(0-2)GRAB_NM
Sample Date			11/06/2008	11/06/2008	10/19/2000	10/20/2000	10/19/2000	10/20/2000	10/19/2000	10/18/2000	10/17/2000	10/19/2000	10/24/2000	11/08/2002	12/19/2002	10/19/2000	10/19/2000	10/20/2000	11/02/2000	11/02/2000	11/02/2000	11/02/2000	01/19/2000	01/19/2000	07/02/2004
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																									
pH (Standard Units)			--	--	8.06	7.71	6.34	--	--	4.66	7.39	4.56	7.58	4.8	7.3	6.9	7.27	--	5.84	--	6.47	5.13	--	--	--
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	11000000	4500000	9000000	--	--	5300000	4700000	1300000	5200000	--	--	710000	12000000	--	430000000	--	6700000	3800000	--	--	--
Dioxins and Furans (µg/kg)																									
1,2,3,4,6,7,8-Heptachlorodibenzofuran			--	--	0.00785 J	--	--	--	0.0301	--	0.00321 J	--	--	--	--	--	--	0.00685 J	--	0.00318	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin			--	--	0.101 J	--	--	--	0.0853	--	0.0399 J	--	--	--	--	--	--	0.0754 J	--	1.38	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran			--	--	0.0005 J	--	--	--	0.0013	--	0.000284 J	--	--	--	--	--	--	0.000537 J	--	< 0.000399 U	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran			--	--	0.000567 J	--	--	--	0.00172	--	0.000433 J	--	--	--	--	--	--	0.000721 J	--	< 0.000379 U	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin			--	--	0.0134 J	--	--	--	0.00377	--	0.00168 J	--	--	--	--	--	--	0.00379 J	--	0.0214	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran			--	--	0.000469 J	--	--	--	0.00146	--	0.000265 J	--	--	--	--	--	--	0.000602 J	--	< 0.00037 U	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin			--	--	0.000712 J	--	--	--	0.00111	--	< 0.00082 UJ	--	--	--	--	--	--	0.000935 J	--	0.0146	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran			--	--	0.000129 J	--	--	--	0.000466	--	0.00012 J	--	--	--	--	--	--	0.000208 J	--	< 0.000614 U	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin			--	--	0.00675 J	--	--	--	0.00238	--	0.00115 J	--	--	--	--	--	--	0.00298 J	--	0.0522	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran			--	--	0.000165 J	--	--	--	0.000538	--	0.000154 J	--	--	--	--	--	--	0.000238 J	--	< 0.000422 U	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin			--	--	0.000893 J	--	--	--	0.000743	--	< 0.000262 UJ	--	--	--	--	--	--	< 0.000262 UJ	--	0.00713	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran			--	--	0.000588 J	--	--	--	0.00208	--	0.000297 J	--	--	--	--	--	--	0.000833 J	--	< 0.000461 U	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran			--	--	0.000628 J	--	--	--	0.00225	--	0.000388 J	--	--	--	--	--	--	0.00112 J	--	< 0.000346 U	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran			--	--	0.00113 J	--	--	--	0.00145	--	0.000618 J	--	--	--	--	--	--	0.000659 J	--	< 0.000438 U	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	0.000142 J	--	--	--	0.000203	--	0.000106 J	--	--	--	--	--	--	0.000118 J	--	< 0.000354 U	--	--	--	--	--
Heptachlorodibenzofurans			--	--	0.0268 J	--	--	--	0.0762	--	0.0109 J	--	--	--	--	--	--	0.0198 J	--	0.0143	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	0.244 J	--	--	--	0.266	--	0.121 J	--	--	--	--	--	--	0.17 J	--	4.19	--	--	--	--	--
Hexachlorodibenzofurans			--	--	0.0116 J	--	--	--	0.0345	--	0.00454 J	--	--	--	--	--	--	0.013 J	--	0.00406	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	0.115 J	--	--	--	0.0419	--	0.0197 J	--	--	--	--	--	--	0.0445 J	--	0.936	--	--	--	--	--
Octachlorodibenzofuran			--	--	0.0178 J	--	--	--	0.0672	--	0.0107 J	--	--	--	--	--	--	0.0191 J	--	0.00696	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	1.8 J	--	--	--	1.08	--	4.64 J	--	--	--	--	--	--	1.39 J	--	136 J	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	0.00877 J	--	--	--	0.0288	--	0.00352 J	--	--	--	--	--	--	0.0155 J	--	0.00194	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	0.00992 J	--	--	--	0.00685	--	0.00175 J	--	--	--	--	--	--	0.00461 J	--	0.136	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	0.00827 J	--	--	--	0.0205	--	0.00377 J	--	--	--	--	--	--	0.0104 J	--	0.00201	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	0.00377 J	--	--	--	0.00366	--	0.000303 J	--	--	--	--	--	--	0.00208 J	--	0.0416	--	--	--	--	--
Toxicity Equivalent Quotient			--	--	0.0062 J	--	--	--	0.0055	--	0.0058 J	--	--	--	--	--	--	0.004 J	--	--	--	--	--	--	--
Metals (µg/kg)																									
Antimony			--	--	< 2000 UJ	< 2000 UJ	< 2400 UJ	--	--	< 2200 UJ	< 2400 UJ	< 2300 UJ	19000 J	< 2100 U	< 2400 U	< 2100 UJ	< 2100 UJ	--	< 2500 UJ	--	< 2200 UJ	< 2700 UJ	--	--	< 2400 U
Arsenic			--	--	1200	< 1100 U	1300	--	--	2600	1800	4400	13000	< 1100 U	1400	< 1200 U	< 1200 U	--	1800	--	2500	3700	--	--	< 1200 U
Barium			--	--	30000	41000	25000	--	--	27000	21000	23000	73000	7900	29000	34000	15000	--	39000	--	81000	42000	--	--	11000
Beryllium			--	--	< 440 U	< 430 U	< 480 U	--	--	< 450 U	< 470 U	< 450 U	< 490 U	< 430 U	430	< 470 U	< 470 U	--	< 500 U	--	930	< 550 U	--	--	< 470 U
Cadmium			--	--	< 510 U	< 490 U	< 600 U	--	--	< 560 U	< 590 U	< 570 U	< 490 U	< 530 U	< 600 U	< 530 U	< 530 U	--	< 620 U	--	< 560 U	< 620 U	--	--	< 590 U
Chromium			--	--	9900 J	5800 J	3500 J	--	--	11000 J	6300 J	13000 J	20000 J	1600	8300	13000 J	50000 J	--	7900	--	5900	7900	--	--	2500
Cobalt			--	--	3800	3000	< 1200 U	--	--	< 1100 U	5500	< 1100 U	7900	< 1100 U	1300	< 1200 U	< 1200 U	--	1400	--	3300	2300	--	--	< 1200 U
Copper			--	--	8400	8600 E	4000	--	--	< 2200 U	10000	3000 E	47000 E	< 2100 U	3700	< 2300 U	< 2300 U	--	16000	--	< 2500 U	< 2700 U	--	--	< 2400 U
Lead			--	--	11000	20000	14000	--	--	7700	17000	11000	62000	3200	5300	7700	5500	--	37000	--	16000	15000	--	--	7700
Mercury			--	--	67	24	49	--	--	47	24	24	62	< 20 U	32	37	35	--	3600	--	67	61	--	--	< 24 U
Nickel			--	--	7100	< 4300 U	< 4800 U	--	--	< 4500 U	< 4700 U	< 5700 U	16000	< 4300 U	< 4800 U	< 4700 U	< 4700 U	--	8400	--	< 4900 U	< 5500 U	--	--	< 4700 U
Selenium			--	--	< 1000 U	< 990 U	< 1200 U	--	--	< 1100 U	< 1200 U	< 1100 U	< 1100 U	--	--	< 1100 U	< 1100 U	--	< 1200 U	--	< 1100 U	< 1200 U	--	--	< 1200 U
Silver			--	--	< 1000 U	< 990 U	< 1200 U	--	--	< 1100 U	< 1200 U	< 1100 U	< 1100 U	--	--	< 1100 U	< 1100 U	--	< 1300 U	--	< 1100 U	< 1200 U	--	--	< 1200 U
Thallium			--	--	< 1100 U	< 990 U	< 1200 U	--	--	< 1100 U	< 1200 U	< 1100 U	1400	< 1100 U	< 1200 U	< 1100 U	< 1100 U	--	< 1300 U	--	< 1100 U	< 1200 U	--	--	< 240 U
Tin			--	--	< 5600 U	< 5400 U	< 6000 U	--	--	< 5600 U	< 5900 U	2700 B	63000	< 5300 U	< 6000 U	< 5800 U	< 5800 U	--	< 6200 U	--	< 6200 U	< 6800 U	--	--	< 5900 U
Vanadium			--	--	17000	13000	4700	--	--	15000	13000	23000	19000	2100	8200	17000	6400	--	33000	--	9000	16000	--	--	5000
Zinc			--	--	39000 E	41000 E	28000 E	--	--	8000 E	45000 E	40000 E	260000 E	7500	25000	12000 E	17000 E	--	83000	--	4400	3900	--	--	17000
Herbicides (µg/kg)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	< 11 U	--	--	< 8.9 U	--	--	< 9.9 U	--	--	--	--	--	--	< 9.6 U	--	< 11 U	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	< 11 U	--	--	< 8.9 U	--	--	< 9.9 U	--	--	--	--	--	--	< 9.6 U	--	< 11 U	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	< 11 U	--	--	< 8.9 U	--	--	< 9.9 U	--	--	--	--	--	--	< 9.6 U	--	< 11 U	--	--	--	--	--
Pesticides (µg/kg)																									
4,4-DDD (Rhothane)			--	--	< 20 U	--	--	< 3.5 U	--	--	< 3.9 U	--	--	--	--	--	--	< 20 U	--	< 4.4 U	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	< 3.8 U	--	--	< 3.5 U	--	--	< 3.9 U	--	--	--	--	--	--	< 3.8 U	--	< 4.4 U	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	< 3.8 U	--	--	< 3.5 U	--	--	< 3.9 U	--	--	--	--	--	--	7.8 J	--	< 4.4 U	--	--	--	--	--
Aldrin			--	--	< 180 U	--	--	< 1.8 U	--	--	< 2 U	--	--	--	--	--	--	< 200 U	--	< 2.3 U	--	--	--	--	--
Alpha-BHC			--	--	< 2 U	--	--	< 1.8 U	--	--	< 2 U	--	--	--	--	--	--	< 2 U	--	< 2.3 U	--	--	--	--	--
Beta-BHC			--	--	< 2 U	--	--	< 1.8 U	--	--	< 2 U	--	--	--	--	--	--	< 2 U	--	< 2.3 U	--	--	--	--	--
Chlordane			--	--	< 3.8 U	--	--	< 18 U	--	--	< 20 U	--	--	--	--	--	--	< 3.8 U	--	< 23 U	--	--	--	--	--
Chlorobenzilate			--	--	< 20 U	--	--	< 18 U	--	--	< 20 U	--	--	--	--	--	--	< 20 U	--	< 23 U	--	--	--	--	--
Delta-BHC			--	--	< 2 U	--	--	< 1.8 U	--	--	< 2 U	--	--	--	--	--	--	< 2 U	--	< 2.3 U	--	--	--	--	--
Dieldrin			--	--	< 3.8 U	--	--	< 3.5 U	--	--	< 3.9 U	--	--	--	--	--	--	< 3.8 U	--	< 4.4 U	--	--	--	--	--
Endosulfan I			--	--	< 3.8 U	--	--	< 1.8 U	--	--	< 2 U	--	--	--	--	--	--	< 3.8 U	--	< 2.3 U	--	--	--	--	--
Endosulfan II			--	--	< 2 U	--	--	< 3.5 U	--	--	< 3.9 U	--	--	--	--	--	--	< 2 U	--	< 4.4 U	--	--	--	--	--
Endosulfan sulfate			--	--	< 3.8 U	--	--	< 3.5 U	--	--	< 3.9 U	--	--	--	--	--	--	< 3.8 U	--	< 4.4 U	--	--	--	--	--
Endrin	10000	10000	--	--	< 3.8 U	--	--	< 3.5 U	--	--	< 3.9 U	--	--	--	--	--	--	< 3.8 U	--	< 4.4 UJ	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	< 3.8 U	--	--	< 3.5 U	--	--	< 3.9 U	--	--	--	--	--	--	< 3.8 U	--	< 4.4 UJ	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2 U	--	--	--	--	--	--	--
Heptachlor			--	--	< 3.8 U	--	--	< 1.8 U	--	--	< 2 U	--	--	--	--	--	--	< 3.8 U	--	< 2.3 U	--	--	--	--	--
Heptachlor epoxide			--	--	< 2 U	--	--	< 1.8 U	--	--	< 2 U	--	--	--	--	--	--	< 2 U	--	< 2.3 U	--	--	--	--	--
Isodrin			--	--	< 2 U	--	--	< 3.5 U	--	--	< 3.9 U	--	--	--	--	--	--	< 2 U	--	< 4.4 U	--	--	--	--	--
Kepone			--	--	< 200 U	--	--	< 180 U	--	--	< 200 U	--	--	--	--	--	--	< 200 U	--	< 230 U	--	--	--	--	--
Methoxychlor	10000	28000	--	--	< 2 U	--	--	< 1.8 U	--	--	< 20 U	--	--	--	--	--	--	< 2 U	--	< 23 UJ	--	--	--	--	--
Technical BHC			--	--	< 2 U	--	--	< 1.8 U	--	--	< 2 U	--	--	--	--	--	--	--	--	< 2.3 U	--	--	--	--	--
Toxaphene			--	--	< 20 U	--	--	< 18 U	--	--	< 200 U	--	--	--	--	--	--	< 20 U	--	< 230 U	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)																									
Diesel Range Organics			--	--	210000	13000	12000	--	--	4600	8800	16000	8200000	--	--	12000	550000	--	30000000 J	--	220000 J	5200 J	--	--	--
Gasoline Range Organics			--	--	< 28 U	< 270 U	< 300 U	--	--	< 280 U	< 290 U	< 280 U	< 310 U	--	--	< 280 U	8400	--	22000	--	< 310 U	< 340 U	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	390000	7400000	--
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1016			--	--	< 38 U	--	--	< 35 U	--	--	< 39 U	--	--	--	--	--	--	< 38 U	--	< 44 U	--	--	--	--	--
Aroclor 1221			--	--	< 78 U	--	--	< 72 U	--	--	< 80 U	--	--	--	--	--	--	< 78 U	--	< 90 U	--	--	--	--	--
Aroclor 1232			--	--	< 38 U	--	--	< 35 U	--	--	< 39 U	--	--	--	--	--	--	< 38 U	--	< 44 U	--	--	--	--	--
Aroclor 1242			--	--	< 38 U	--	--	< 35 U	--	--	< 39 U	--	--	--	--	--	--	< 38 U	--	< 44 U	--	--	--	--	--
Aroclor 1248			--	--	< 38 U	--	--	< 35 U	--	--	< 39 U	--	--	--	--	--	--	< 38 U	--	< 44 U	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	< 38 U	--	--	54	--	--	< 39 U	--	--	--	--	--	--	43 J	--	< 44 U	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	< 38 U	--	--	< 35 U	--	--	< 39 U	--	--	--	--	--	--	< 38 U	--	< 44 U	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	--	--	**1300**	< 720 U	< 780 U	--	--	< 740 U	< 780 U	< 750 U	< 4100 U	< 780 U	< 780 U	< 770 U	< 770 U	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
1,2,4-Trichlorobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
1,2-Dichlorobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
1,3,5-Trinitrobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
1,3-Dichlorobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U

Location ID			SB-99	SB-99	SB-F1	SB-F12	SB-F14	SB-F14/F12	SB-F14/F12/F3	SB-F15	SB-F19	SB-F27	SB-F3	SB-F3A	SB-F3RE	SB-F4	SB-F6	SB-F6/F4/F15/F27	SD-F6	SD-F6/F7/F8	SD-F7	SD-F8	South Sump	South Sump	SS-1
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SB-99_11/6/08_(2-4)GRAB_NM	SB-99_11/6/08_(4-6)GRAB_NM	SB-F1_10/19/00_(1-3)GRAB_NM	SB-F12_10/20/00_(1-3)GRAB_NM	SB-F14_10/19/00_(1-3)GRAB_NM	SB-F14/F12_10/20/00_(1-3)COMP_H_NM	SB-F14/F12/F3_10/19/00_(0-3)COMP_H_NM	SB-F15_10/18/00_(0-3)GRAB_NM	SB-F19_10/17/00_(0-3)GRAB_NM	SB-F27_10/19/00_(1-3)GRAB_NM	SB-F3_10/24/00_(0-2)GRAB_NM	SB-F3A_11/8/02_(0-1)GRAB_NM	SB-F3RE_12/19/02_(0-2)GRAB_NM	SB-F4_10/19/00_(0.5-2)GRAB_NM	SB-F6_10/19/00_(1-3)GRAB_NM	SB-F6/F4/F15/F27_10/20/00_(0.5-3)COMP_H	SD-F6_11/2/00_(0-0.5)GRAB_NM	SD-F6/F7/F8_11/2/00_(0-0.5)COMP_H_NM	SD-F7_11/2/00_(0-0.5)GRAB_NM	SD-F8_11/2/00_(0-0.5)GRAB_NM	SOUTH SUMP_1/19/00_(1-3)GRAB_NM	SOUTH SUMP_1/19/00_(4-5)GRAB_NM	SS-1_7/2/04_(0-2)GRAB_NM
Sample Date			11/06/2008	11/06/2008	10/19/2000	10/20/2000	10/19/2000	10/20/2000	10/19/2000	10/18/2000	10/17/2000	10/19/2000	10/24/2000	11/08/2002	12/19/2002	10/19/2000	10/19/2000	10/20/2000	11/02/2000	11/02/2000	11/02/2000	11/02/2000	01/19/2000	01/19/2000	07/02/2004
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
1,3-Dinitrobenzene	1050	1050	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
1,4-Dichlorobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
1,4-Dioxane	7000	7000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
1,4-Naphthoquinone			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
1-Naphthylamine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 390 U
2,3,4,6-Tetrachlorophenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2,4,5-Trichlorophenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2,4,6-Trichlorophenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2,4-Dichlorophenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2,4-Dimethylphenol	70000	70000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2,4-Dinitrophenol			--	--	< 1900 U	< 1800 U	< 2000 U	--	--	< 1900 U	< 2000 U	< 1900 U	< 10000 U	--	--	< 2000 U	< 2000 U	--	< 21000 U	--	< 2100 U	< 2300 U	--	--	< 2000 U
2,4-Dinitrotoluene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2,6-Dichlorophenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2,6-Dinitrotoluene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2-Acetylaminofluorene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2-Chloronaphthalene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2-Chlorophenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2-Methyl-4,6-dinitrophenol			--	--	< 1900 U	< 1800 U	< 2000 U	--	--	< 1900 U	< 2000 U	< 1900 U	< 10000 U	--	--	< 2000 U	< 2000 U	--	< 21000 U	--	< 2100 U	< 2300 U	--	--	< 2000 U
2-Methylnaphthalene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2-Methylphenol	3800	4100	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2-Naphthylamine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2-Nitroaniline			--	--	< 1900 U	< 1800 U	< 2000 U	--	--	< 1900 U	< 2000 U	< 1900 U	< 10000 U	--	--	< 2000 U	< 2000 U	--	< 21000 U	--	< 2100 U	< 2300 U	--	--	< 2000 U
2-Nitrophenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
2-Picoline			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
3,3-Dichlorobenzidine			--	--	< 730 U	< 720 U	< 780 U	--	--	< 740 U	< 780 U	< 750 U	< 4100 U	--	--	< 770 U	< 770 U	--	< 8200 U	--	< 810 U	< 900 U	--	--	< 780 U
3,3-Dimethylbenzidine			--	--	< 1900 U	< 1800 U	< 2000 U	--	--	< 1900 U	< 2000 U	< 1900 U	< 10000 U	--	--	< 2000 U	< 2000 U	--	< 21000 U	--	< 2100 U	< 2300 U	--	--	< 2000 U
3-Methylchloranthrene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
3-Methylphenol, 4-Methylphenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
3-Nitroaniline			--	--	< 1900 U	< 1800 U	< 2000 U	--	--	< 1900 U	< 2000 U	< 1900 U	< 10000 U	--	--	< 2000 U	< 2000 U	--	< 21000 U	--	< 2100 U	< 2300 U	--	--	< 2000 U
4-Aminobiphenyl			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
4-Bromophenyl phenyl ether			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
4-Chloro-3-Methylphenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
4-Chlorophenyl phenyl ether			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
4-Dimethylaminoazobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
4-Methylphenol	3800	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 390 U
4-Nitroaniline			--	--	< 1900 U	< 1800 U	< 2000 U	--	--	< 1900 U	< 2000 U	< 1900 U	< 10000 U	--	--	< 2000 U	< 2000 U	--	< 21000 U	--	< 2100 U	< 2300 U	--	--	< 2000 U
4-Nitrophenol			--	--	< 1900 U	< 1800 U	< 2000 U	--	--	< 1900 U	< 2000 U	< 1900 U	< 10000 U	--	--	< 2000 U	< 2000 U	--	< 21000 U	--	< 2100 U	< 2300 U	--	--	< 2000 U
4-Nitroquinoline-N-Oxide			--	--	< 3700 U	< 3600 U	< 3900 U	--	--	< 3700 U	< 3900 U	< 3800 U	< 20000 U	--	--	< 3800 U	< 3800 U	--	< 41000 U	--	< 4100 U	< 4500 U	--	--	< 3900 U
5-Nitro-o-Toluidine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
7,12-Dimethylbenz(a)anthracene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Acenaphthene	300000	300000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Acenaphthylene	130000	130000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Acetophenone	400000	400000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
alpha,alpha-Dimethylphenethylamine			--	--	< 74000 U	< 73000 U	< 80000 U	--	--	< 75000 U	< 79000 U	< 76000 U	< 410000 U	--	--	< 78000 U	< 78000 U	--	< 840000 U	--	< 83000 U	< 92000 U	--	--	--
Aniline	**2000**	2000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	**3300**	< 390 U	< 390 U	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Anthracene	500000	1009000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Aramite			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Benzo(a)anthracene	5000	5000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Benzo(a)pyrene	1640	1640	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 380 U	< 380 U	--	--	--	--	--	--	--	< 390 U
Benzo(b)fluoranthene	5000	5000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	--	--	--	--	--	--	< 390 U
Benzo(g,h,i)perylene	500000	500000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	--	--	--	--	--	--	< 390 U
Benzo(k)fluoranthene	5000	46000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	--	--	--	--	--	--	< 390 U
Benzyl Alcohol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	--	--	--	--	--	--	< 390 U
beta-Pinene			--	--	< 3700 U	< 3600 U	< 3900 U	--	--	< 3700 U	< 3900 U	< 3800 U	< 20000 U	--	--	< 3800 U	< 3800 U	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	--	--	--	--	--	--	< 390 U
bis(2-Chloroethyl)ether			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	--	--	--	--	--	--	< 390 U
bis(2-Chloroisopropyl)ether			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
bis(2-Ethylhexyl)phthalate	50000	50000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 380 U	< 380 U	--	--	--	--	--	--	--	< 390 U
Butyl benzyl phthalate	50000	218540	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Chrysene	5000	141000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Diallate			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Dibenzo(a,h)anthracene	2000	5000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Dibenzofuran	1000	1900	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Diethyl phthalate			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Dimethoate			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
Dimethyl phthalate			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 79000 U
Di-n-butyl phthalate			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Di-n-octyl phthalate	70000	70000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Dinoseb			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Diphenyl ether			--	--	5400	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 4100 U	< 390 U	< 390 U	860	< 380 U	--	--	--	--	--	--	--	--
Disulfoton			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
Ethyl Methanesulfonate			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Famphur			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
Fluoranthene	500000	500000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Fluorene	360000	360000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Hexachlorobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Hexachlorocyclopentadiene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Hexachloroethane			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Hexachlorophene			--	--	< 190000 U	< 180000 U	< 200000 U	--	--	< 190000 U	< 200000 U	< 190000 U	< 1000000 U	--	--	< 200000 U	< 200000 U	--	< 2100000 U	--	< 210000 U	< 230000 U	--	--	< 200000 U
Hexachloropropene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Indeno(1,2,3-cd)pyrene	5000	15000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Isophorone			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Isosafrole			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Methapyrilene			--	--	< 74000 U	< 73000 U	< 80000 U	--	--	< 75000 U	< 79000 U	< 76000 U	< 410000 U	--	--	< 78000 U	< 78000 U	--	< 840000 U	--	< 83000 U	< 92000 U	--	--	< 79000 U
Methyl methanesulfonate			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Methyl parathion			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
Naphthalene	100000	100000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	< 390 U	< 390 U	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Nitrobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
N-Nitrosodiethylamine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
N-Nitrosodimethylamine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
N-Nitrosodi-n-butylamine	1000	1000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
N-Nitrosodi-n-propylamine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
N-Nitrosodiphenylamine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
N-Nitrosomorpholine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U

Location ID			SB-99	SB-99	SB-F1	SB-F12	SB-F14	SB-F14/F12	SB-F14/F12/F3	SB-F15	SB-F19	SB-F27	SB-F3	SB-F3A	SB-F3RE	SB-F4	SB-F6	SB-F6/F4/F15/F27	SD-F6	SD-F6/F7/F8	SD-F7	SD-F8	South Sump	South Sump	SS-1
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SB-99_11/6/08_(2-4)GRAB_NM	SB-99_11/6/08_(4-6)GRAB_NM	SB-F1_10/19/00_(1-3)GRAB_NM	SB-F12_10/20/00_(1-3)GRAB_NM	SB-F14_10/19/00_(1-3)GRAB_NM	SB-F14/F12_10/20/00_(1-3)COMP_H_NM	SB-F14/F12/F3_10/19/00_(0-3)COMP_H_NM	SB-F15_10/18/00_(0-3)GRAB_NM	SB-F19_10/17/00_(0-3)GRAB_NM	SB-F27_10/19/00_(1-3)GRAB_NM	SB-F3_10/24/00_(0-2)GRAB_NM	SB-F3A_11/8/02_(0-1)GRAB_NM	SB-F3RE_12/19/02_(0-2)GRAB_NM	SB-F4_10/19/00_(0.5-2)GRAB_NM	SB-F6_10/19/00_(1-3)GRAB_NM	SB-F6/F4/F15/F27_10/20/00_(0.5-3)COMP_H	SD-F6_11/2/00_(0-0.5)GRAB_NM	SD-F6/F7/F8_11/2/00_(0-0.5)COMP_H_NM	SD-F7_11/2/00_(0-0.5)GRAB_NM	SD-F8_11/2/00_(0-0.5)GRAB_NM	SOUTH SUMP_1/19/00_(1-3)GRAB_NM	SOUTH SUMP_1/19/00_(4-5)GRAB_NM	SS-1_7/2/04_(0-2)GRAB_NM
Sample Date			11/06/2008	11/06/2008	10/19/2000	10/20/2000	10/19/2000	10/20/2000	10/19/2000	10/18/2000	10/17/2000	10/19/2000	10/24/2000	11/08/2002	12/19/2002	10/19/2000	10/19/2000	10/20/2000	11/02/2000	11/02/2000	11/02/2000	11/02/2000	01/19/2000	01/19/2000	07/02/2004
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
N-Nitroso-N-methylethylamine	680	1000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
N-Nitrosopiperidine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
N-Nitrosopyrrolidine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
o,o,o-Triethyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 390 U
o,o,o-Trimethyl thiophosphate			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
o-Toluidine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Parathion	20000	20000	--	--	< 370 U	< 360 U	1400	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	2100	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
p-Chloroaniline			--	--	< 730 U	< 720 U	< 780 U	--	--	< 740 U	< 780 U	< 750 U	< 4100 U	--	--	< 770 U	< 770 U	--	< 8200 U	--	< 810 U	< 900 U	--	--	< 780 U
Pentachlorobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Pentachloronitrobenzene			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Pentachlorophenol			--	--	< 1900 U	< 1800 U	< 2000 U	--	--	< 1900 U	< 2000 U	< 1900 U	< 10000 U	--	--	< 2000 U	< 2000 U	--	< 21000 U	--	< 2100 U	< 2300 U	--	--	< 2000 U
Phenacetin			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Phenanthrene	110000	110000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	460
Phenol			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Phorate			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
Pinene			--	--	< 3700 U	< 3600 U	< 3900 U	--	--	< 3700 U	< 3900 U	< 3800 U	< 20000 U	--	--	< 3800 U	< 3800 U	--	< 41000 U	--	< 4100 U	< 4500 U	--	--	--
p-Phenylenediamine			--	--	< 1900 U	< 1800 U	< 2000 U	--	--	< 1900 U	< 2000 U	< 1900 U	< 10000 U	--	--	< 2000 U	< 2000 U	--	< 21000 U	--	< 2100 U	< 2300 U	--	--	< 2000 U
Propyzamide			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Pyrene	500000	500000	--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Pyridine			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Safrole			--	--	< 370 U	< 360 U	< 390 U	--	--	< 370 U	< 390 U	< 380 U	< 2000 U	--	--	< 380 U	< 380 U	--	< 4100 U	--	< 410 U	< 450 U	--	--	< 390 U
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4100 U	--	< 410 U	< 450 U	--	--	--
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
1,1,1-Trichloroethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
1,1,2,2-Tetrachloroethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
1,1,2-Trichloroethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
1,1-Dichloroethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
1,1-Dichloroethene			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
1,2,3-Trichloropropane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
1,2-Dibromo-3-chloropropane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 490 U	--	--	< 5.3 U	< 5.8 U	--	< 12 U	--	< 10 U	< 14 U	--	--	< 12 U
1,2-Dibromoethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
1,2-Dichloroethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
1,2-Dichloropropane	500	500	--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
2-Butanone (MEK)	200000	200000	--	--	35	< 28 U	< 31 U	--	--	< 29 U	< 26 U	< 28 U	< 1200 U	< 35 U	< 30 U	< 26 U	37	--	490 D	--	31	< 35 U	--	--	< 29 U
2-Chlor-1,3-Butadiene			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
2-Methyl-1-propanol	1000000	1000000	--	--	< 230 U	< 230 U	< 250 U	--	--	< 230 U	< 210 U	< 220 U	< 49000 U	--	--	< 210 U	< 230 U	--	< 230 U	--	< 200 U	< 280 U	--	--	< 240 U
4-Methyl-2-Pentanone	200000	200000	--	--	< 29 U	< 28 U	< 31 U	--	--	< 29 U	< 26 U	< 28 U	< 1200 U	--	--	< 26 U	< 29 U	--	< 29 U	--	< 26 U	< 35 U	--	--	< 29 U
Acetone	400000	400000	--	--	440	< 57 U	< 93 U	--	--	220	< 52 U	< 56 U	4100	< 70 U	68	280	240	--	1400 E	--	350	< 70 U	--	--	< 59 U
Acetonitrile	20000	20000	--	--	< 230 U	< 230 U	< 250 U	--	--	< 230 U	< 210 U	< 220 U	< 9900 U	--	--	< 210 U	< 230 U	--	< 230 U	--	< 200 U	< 280 U	--	--	< 240 U
Acrolein	**100**	100	--	--	< 120 U	< 110 U	< 120 U	--	--	< 110 U	< 100 U	< 110 U	< 4900 U	--	--	< 100 U	< 120 U	--	< 120 U	--	< 100 U	< 140 U	--	--	< 120 U
Acrylonitrile			--	--	< 120 U	< 110 U	< 120 U	--	--	< 110 U	< 100 U	< 110 U	< 4900 U	--	--	< 100 U	< 120 U	--	< 120 U	--	< 100 U	< 140 U	--	--	< 120 U
Allyl chloride			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Benzene	500	500	< 960 U	97	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	< 7 U	< 6 U	< 5.3 U	< 5.8 U	--	380 D	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Bromodichloromethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Bromoform			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Bromomethane			--	--	< 12 U	< 11 U	< 12 U	--	--	< 11 U	< 10 U	< 11 U	< 490 U	--	--	< 10 U	< 12 U	--	< 12 U	--	< 10 U	< 14 U	--	--	< 5.9 U
Carbon Disulfide	400000	400000	--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	< 7 U	< 6 U	< 5.3 U	7.6	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Carbon Tetrachloride			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
CFC-11 (Trichlorofluoromethane)			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
CFC-12 (Dichlorodifluoromethane)			--	--	< 12 U	< 11 U	< 12 U	--	--	< 11 U	< 10 U	< 11 U	< 490 U	--	--	< 10 U	< 12 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5.9 U
Chlorobenzilate			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	--
Chlorodibromomethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Chloroethane			--	--	< 12 U	< 11 U	< 12 U	--	--	< 11 U	< 10 U	< 11 U	< 490 U	--	--	< 10 U	< 12 U	--	< 12 U	--	< 10 U	< 14 U	--	--	< 5.9 U
Chloroform			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Chloromethane			--	--	< 12 U	< 11 U	< 12 U	--	--	< 11 U	< 10 U	< 11 U	< 490 U	--	< 12 U	< 10 U	< 12 U	--	< 12 U	--	< 10 U	< 14 U	--	--	< 5.9 U
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Dibromomethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Dichloromethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Ethyl Methacrylate	300000	300000	--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Ethylbenzene	70000	70000	10000 D	2300 D	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	< 7 U	< 6 U	< 5.3 U	12	--	2500 D	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Iodomethane			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Methyl N-Butyl Ketone (2-Hexanone)			--	--	< 29 U	< 28 U	< 31 U	--	--	< 29 U	< 26 U	< 28 U	< 1200 U	--	--	< 26 U	< 29 U	--	< 29 U	--	< 26 U	< 35 U	--	--	< 29 U
Methylacrylonitrile			--	--	< 120 U	< 110 U	< 120 U	--	--	< 110 U	< 100 U	< 110 U	< 4900 U	--	--	< 100 U	< 120 U	--	< 120 U	--	< 100 U	< 140 U	--	--	< 120 U
m-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	< 7 U	< 6 U	--	--	--	--	--	--	--	--	--	--
o-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	< 7 U	< 6 U	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	< 29 U	< 28 U	< 31 U	--	--	< 29 U	< 26 U	< 28 U	< 1200 U	--	--	< 26 U	< 29 U	--	< 29 U	--	< 26 U	< 35 U	--	--	< 29 U
Propionitrile			--	--	< 120 U	< 110 U	< 120 U	--	--	< 110 U	< 100 U	< 110 U	< 4900 U	--	--	< 100 U	< 120 U	--	< 120 U	--	< 100 U	< 140 U	--	--	< 120 U
Styrene (Monomer)	14000	14000	--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Tetrachloroethene	500	500	--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Toluene	100000	100000	8900 D	3100 D	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	< 7 U	< 6 U	< 5.3 U	12	--	2400 D	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Total Xylenes	1000000	1000000	83000 D	19000 D	< 12 U	< 11 U	< 12 U	--	--	< 11 U	< 10 U	< 11 U	< 490 U	< 14 U	< 12 U	< 10 U	79	--	1800 D	--	< 10 U	< 14 U	--	--	< 12 U
trans-1,2-Dichloroethene			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
trans-1,3-Dichloropropene			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
trans-1,4-Dichloro-2-butene	113	140	--	--	< 12 U	< 11 U	< 12 U	--	--	< 11 U	< 10 U	< 11 U	< 490 U	--	--	< 10 U	< 12 U	--	< 12 U	--	< 10 U	< 14 U	--	--	< 12 U
Trichloroethene			--	--	< 5.8 U	< 5.7 U	< 6.2 U	--	--	< 5.7 U	< 5.2 U	< 5.6 U	< 250 U	--	--	< 5.3 U	< 5.8 U	--	< 5.8 U	--	< 5.1 U	< 7 U	--	--	< 5.9 U
Vinyl acetate			--	--	< 12 U	< 11 U	< 12 U	--	--	< 11 U	< 10 U	< 11 U	< 490 U	--	--	< 10 U	< 12 U	--	< 12 U	--	< 10 U	< 14 U	--	--	< 12 U
Vinyl chloride			--	--	< 12 U	< 11 U	< 12 U	--	--	< 11 U	< 10 U	< 11 U	< 490 U	--	--	< 10 U	< 12 U	--	< 12 U	--	< 10 U	< 14 U	--	--	< 5.9 U

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SS-108	SS-2	SS-3	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-4	SS-43	SS-43	SS-44	SS-44	SS-45	SS-45	SS-46	SS-46	SS-47	SS-47	SS-48	SS-48	SS-49
Sample ID			SS-108_11/10/08_(0-2)GRAB_NM	SS-2_7/2/04_(0-2)GRAB_NM	SS-3_7/2/04_(0-2)GRAB_NM	SS-30_11/8/02_(0-2)GRAB_NM	SS-31_11/8/02_(0-2)GRAB_NM	SS-32_11/8/02_(0-2)GRAB_NM	SS-33_11/8/02_(0-2)GRAB_NM	SS-34_11/8/02_(0-2)GRAB_NM	SS-35_11/8/02_(0-2)GRAB_NM	SS-4_7/2/04_(0-2)GRAB_NM	SS-43_12/17/02_(1-2)GRAB_NM	SS-43_12/20/02_(1-2)GRAB_NM	SS-44_12/17/02_(1-2)GRAB_NM	SS-44_12/20/02_(1-2)GRAB_NM	SS-45_12/17/02_(1-2)GRAB_NM	SS-45_12/20/02_(1-2)GRAB_NM	SS-46_12/17/02_(1-2)GRAB_NM	SS-46_12/20/02_(1-2)GRAB_NM	SS-47_12/17/02_(1-2)GRAB_NM	SS-47_12/20/02_(1-2)GRAB_NM	SS-48_12/17/02_(1-2)GRAB_NM	SS-48_12/20/02_(1-2)GRAB_NM	SS-49_12/17/02_(1-2)GRAB_NM
Sample Date			11/10/2008	07/02/2004	07/02/2004	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	07/02/2004	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																									
pH (Standard Units)			--	--	--	7.6	6.1	6.5	7.2	5.8	6.1	--	7.7	--	5.3	--	7	--	6.2	--	6.6	--	5.2	--	5.4
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxicity Equivalent Quotient			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/kg)																									
Antimony			--	< 2300 U	< 2200 U	< 2400 U	6600	< 2500 U	< 2200 U	< 2000 U	< 2300 U	< 2400 U	< 2300 U	--	< 2300 U	--	< 2200 U	--	< 2200 U	--	< 2300 U	--	< 2300 U	--	< 2400 U
Arsenic			--	< 1100 U	< 1100 U	3100	9800	5000	< 1100 U	3300	8200	1500	2400	--	4300	--	1800	--	1100	--	1400	--	< 1200 U	--	6200
Barium			--	45000	52000	87000	64000	48000	20000	37000	23000	60000	28000	--	21000	--	28000	--	20000	--	19000	--	19000	--	28000
Beryllium			--	< 450 U	570	530	< 490 U	< 500 U	< 440 U	< 400 U	< 460 U	< 480 U	< 450 U	--	< 460 U	--	< 450 U	--	< 450 U	--	< 450 U	--	< 460 U	--	< 480 U
Cadmium			--	< 570 U	< 560 U	< 590 U	< 610 U	820	< 550 U	< 500 U	< 580 U	< 600 U	< 570 U	--	< 570 U	--	< 560 U	--	< 560 U	--	< 570 U	--	< 580 U	--	< 600 U
Chromium			--	10000	10000	9900	17000	9800	3300	13000	17000	8400	12000	--	180000	--	8900	--	5000	--	6900	--	6500	--	30000
Cobalt			--	3400	2700	2400	2900	3200	< 1100 U	< 1000 U	< 1200 U	1600	< 1100 U	--	1700	--	1300	--	< 1100 U	--	< 1100 U	--	< 1200 U	--	< 1200 U
Copper			--	5100	6000	22000	55000	18000	5500	8200	30000	12000	8500	--	13000	--	9800	--	< 2200 U	--	6000	--	2700	--	< 2400 U
Lead			--	8900	6000	47000	270000	56000	24000	38000	170000	29000	24000	--	13000	--	18000	--	4900	--	10000	--	7800	--	12000
Mercury			--	25	110	330	160	55	< 20 U	440	30	100	54	--	33	--	120	--	31	--	130	--	64	--	< 20 U
Nickel			--	< 4500 U	< 4500 U	< 4700 U	7700	7700	< 4400 U	9400	< 4600 U	< 4800 U	< 4500 U	--	78000	--	4700	--	< 4500 U	--	< 4500 U	--	< 4600 U	--	5500
Selenium			--	< 1100 U	< 1100 U	--	--	--	--	--	--	< 1200 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	< 1100 U	< 1100 U	--	--	--	--	--	--	< 1200 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	< 230 U	< 220 U	< 1200 U	< 1200 U	< 1200 U	< 1100 U	< 1000 U	< 1200 U	< 240 U	< 1100 U	--	< 1100 U	--	< 1100 U	--	< 1100 U	--	< 1100 U	--	< 1200 U	--	< 1200 U
Tin			--	< 5700 U	< 5600 U	< 5900 U	28000	< 6200 U	< 5500 U	< 5000 U	< 5800 U	< 6000 U	< 5700 U	--	< 5700 U	--	< 5600 U	--	< 5600 U	--	< 5700 U	--	< 5800 U	--	< 6000 U
Vanadium			--	25000	17000	16000	25000	33000	5400	67000	26000	14000	20000	--	23000	--	19000	--	5700	--	16000	--	14000	--	31000
Zinc			--	44000	29000	190000	210000	210000	21000	34000	220000	97000	70000	--	43000	--	49000	--	4300	--	31000	--	16000	--	42000
Herbicides (µg/kg)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																									
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)																									
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	--	--	--	< 860 U	< 890 U	< 820 U	< 800 U	< 800 U	< 840 U	--	< 750 U	--	< 760 U	--	< 740 U	--	< 740 U	--	< 750 U	--	< 770 U	--	< 800 U
1,2,4,5-Tetrachlorobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID			SS-108	SS-2	SS-3	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-4	SS-43	SS-43	SS-44	SS-44	SS-45	SS-45	SS-46	SS-46	SS-47	SS-47	SS-48	SS-48	SS-49
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SS-108_11/10/08_(0-2)GRAB_NM	SS-2_7/2/04_(0-2)GRAB_NM	SS-3_7/2/04_(0-2)GRAB_NM	SS-30_11/8/02_(0-2)GRAB_NM	SS-31_11/8/02_(0-2)GRAB_NM	SS-32_11/8/02_(0-2)GRAB_NM	SS-33_11/8/02_(0-2)GRAB_NM	SS-34_11/8/02_(0-2)GRAB_NM	SS-35_11/8/02_(0-2)GRAB_NM	SS-4_7/2/04_(0-2)GRAB_NM	SS-43_12/17/02_(1-2)GRAB_NM	SS-43_12/20/02_(1-2)GRAB_NM	SS-44_12/17/02_(1-2)GRAB_NM	SS-44_12/20/02_(1-2)GRAB_NM	SS-45_12/17/02_(1-2)GRAB_NM	SS-45_12/20/02_(1-2)GRAB_NM	SS-46_12/17/02_(1-2)GRAB_NM	SS-46_12/20/02_(1-2)GRAB_NM	SS-47_12/17/02_(1-2)GRAB_NM	SS-47_12/20/02_(1-2)GRAB_NM	SS-48_12/17/02_(1-2)GRAB_NM	SS-48_12/20/02_(1-2)GRAB_NM	SS-49_12/17/02_(1-2)GRAB_NM
Sample Date			11/10/2008	07/02/2004	07/02/2004	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	07/02/2004	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
1,3-Dinitrobenzene	1050	1050	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	70000	70000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol			--	< 1900 U	< 1900 U	--	--	--	--	--	--	< 2000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Acetylaminofluorene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol			--	< 1900 U	< 1900 U	--	--	--	--	--	--	< 2000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	3800	4100	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Naphthylamine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline			--	< 1900 U	< 1900 U	--	--	--	--	--	--	< 2000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine			--	< 750 U	< 740 U	--	--	--	--	--	--	< 800 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine			--	< 1900 U	< 1900 U	--	--	--	--	--	--	< 2000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylphenol, 4-Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			--	< 1900 U	< 1900 U	--	--	--	--	--	--	< 2000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Aminobiphenyl			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	3800	8000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline			--	< 1900 U	< 1900 U	--	--	--	--	--	--	< 2000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol			--	< 1900 U	< 1900 U	--	--	--	--	--	--	< 2000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroquinoline-N-Oxide			--	< 3800 U	< 3700 U	--	--	--	--	--	--	< 4000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
5-Nitro-o-Toluidine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	300000	300000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	130000	130000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha,alpha-Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	**2000**	2000	--	< 380 U	< 370 U	< 430 U	< 440 U	< 410 U	< 400 U	< 400 U	< 420 U	< 400 U	< 380 U	--	< 380 U	--	< 370 U	--	< 370 U	--	< 380 U	--	< 380 U	--	< 400 U
Anthracene	500000	1009000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Aramite			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	5000	5000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	1640	1640	--	< 380 U	< 370 U	< 430 U	< 440 U	< 410 U	< 400 U	< 400 U	< 420 U	< 400 U	< 380 U	--	< 380 U	--	< 370 U	--	< 370 U	--	< 380 U	--	< 380 U	--	< 400 U
Benzo(b)fluoranthene	5000	5000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	500000	500000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	5000	46000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl Alcohol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	50000	--	< 380 U	< 370 U	1200	1000	2200	500	1700	1300	< 400 U	< 380 U	--	< 380 U	--	< 370 U	--	< 370 U	--	< 380 U	--	< 380 U	--	< 400 U
Butyl benzyl phthalate	50000	218540	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	5000	141000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Diallate			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	2000	5000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	1000	1900	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine			--	< 76000 U	< 75000 U	--	--	--	--	--	--	< 81000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	70000	70000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Diphenyl ether			--	--	--	< 430 U	< 440 U	< 410 U	< 400 U	< 400 U	< 420 U	--	570	--	< 380 U	--	< 370 U	--	< 370 U	--	< 380 U	--	< 380 U	--	< 400 U
Disulfoton			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	500000	500000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	360000	360000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene			--	< 190000 U	< 190000 U	--	--	--	--	--	--	< 200000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	5000	15000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Isosafrole			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methapyrilene			--	< 76000 U	< 75000 U	--	--	--	--	--	--	< 81000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methanesulfonate			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl parathion			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	100000	100000	--	< 380 U	< 370 U	< 430 U	< 440 U	< 410 U	< 400 U	< 400 U	< 420 U	< 400 U	< 380 U	--	< 380 U	--	< 370 U	--	< 370 U	--	< 380 U	--	< 380 U	--	< 400 U
Nitrobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-butylamine	1000	1000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID			SS-108	SS-2	SS-3	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-4	SS-43	SS-43	SS-44	SS-44	SS-45	SS-45	SS-46	SS-46	SS-47	SS-47	SS-48	SS-48	SS-49
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SS-108_11/10/08_(0-2)GRAB_NM	SS-2_7/2/04_(0-2)GRAB_NM	SS-3_7/2/04_(0-2)GRAB_NM	SS-30_11/8/02_(0-2)GRAB_NM	SS-31_11/8/02_(0-2)GRAB_NM	SS-32_11/8/02_(0-2)GRAB_NM	SS-33_11/8/02_(0-2)GRAB_NM	SS-34_11/8/02_(0-2)GRAB_NM	SS-35_11/8/02_(0-2)GRAB_NM	SS-4_7/2/04_(0-2)GRAB_NM	SS-43_12/17/02_(1-2)GRAB_NM	SS-43_12/20/02_(1-2)GRAB_NM	SS-44_12/17/02_(1-2)GRAB_NM	SS-44_12/20/02_(1-2)GRAB_NM	SS-45_12/17/02_(1-2)GRAB_NM	SS-45_12/20/02_(1-2)GRAB_NM	SS-46_12/17/02_(1-2)GRAB_NM	SS-46_12/20/02_(1-2)GRAB_NM	SS-47_12/17/02_(1-2)GRAB_NM	SS-47_12/20/02_(1-2)GRAB_NM	SS-48_12/17/02_(1-2)GRAB_NM	SS-48_12/20/02_(1-2)GRAB_NM	SS-49_12/17/02_(1-2)GRAB_NM
Sample Date			11/10/2008	07/02/2004	07/02/2004	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	11/08/2002	07/02/2004	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
N-Nitroso-N-methylethylamine	680	1000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Trimethyl thiophosphate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline			--	< 750 U	< 740 U	--	--	--	--	--	--	< 800 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol			--	< 1900 U	< 1900 U	--	--	--	--	--	--	< 2000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	110000	110000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	< 1900 U	< 1900 U	--	--	--	--	--	--	< 2000 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	500000	500000	--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole			--	< 380 U	< 370 U	--	--	--	--	--	--	< 400 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			--	< 11 U	< 11 U	--	--	--	--	--	--	< 12 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	500	500	--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	200000	200000	--	< 28 U	< 28 U	< 34 U	49	29	< 33 U	< 34 U	34	< 30 U	--	< 28 U	--	< 29 U	--	< 28 U	--	< 28 U	--	< 28 U	--	< 29 U	--
2-Chlor-1,3-Butadiene			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	1000000	1000000	--	< 230 U	< 220 U	--	--	--	--	--	--	< 240 U	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	200000	200000	--	< 28 U	< 28 U	--	--	--	--	--	--	< 30 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	400000	400000	--	65	160	190	140	280	< 65 U	< 68 U	350	72	--	< 57 U	--	< 57 U	--	120	--	< 56 U	--	120	--	55	--
Acetonitrile	20000	20000	--	< 230 U	< 220 U	--	--	--	--	--	--	< 240 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	**100**	100	--	< 110 U	< 110 U	--	--	--	--	--	--	< 120 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile			--	< 110 U	< 110 U	--	--	--	--	--	--	< 120 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Allyl chloride			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	500	500	--	< 5.7 U	< 5.6 U	< 6.8 U	< 6.4 U	< 5.6 U	< 6.5 U	< 6.8 U	< 6.7 U	< 6 U	--	< 5.7 U	--	< 5.7 U	--	< 5.6 U	--	< 5.6 U	--	< 5.7 U	--	< 5.8 U	--
Bromodichloromethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	400000	400000	--	< 5.7 U	< 5.6 U	< 6.8 U	< 6.4 U	< 5.6 U	< 6.5 U	< 6.8 U	< 6.7 U	< 6 U	--	< 5.7 U	--	< 5.7 U	--	< 5.6 U	--	< 5.6 U	--	< 5.7 U	--	< 5.8 U	--
Carbon Tetrachloride			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	10000	10000	--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	< 11 U	--	< 11 U	--	< 11 U	--	< 11 U	--	< 11 U	--	< 12 U	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	300000	300000	--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	70000	70000	--	< 5.7 U	< 5.6 U	< 6.8 U	< 6.4 U	< 5.6 U	< 6.5 U	< 6.8 U	< 6.7 U	< 6 U	--	< 5.7 U	--	< 5.7 U	--	< 5.6 U	--	< 5.6 U	--	< 5.7 U	--	< 5.8 U	--
Iodomethane			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	< 28 U	< 28 U	--	--	--	--	--	--	< 30 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	< 110 U	< 110 U	--	--	--	--	--	--	< 120 U	--	--	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	20000	20000	--	--	--	< 6.8 U	24	< 5.6 U	< 6.5 U	22	16	--	--	< 5.7 U	--	< 5.7 U	--	22	--	< 5.6 U	--	< 5.7 U	--	< 5.8 U	--
o-Xylene	20000	20000	--	--	--	< 6.8 U	< 6.4 U	< 5.6 U	< 6.5 U	< 6.8 U	< 6.7 U	--	--	< 5.7 U	--	< 5.7 U	--	8.4	--	< 5.6 U	--	< 5.7 U	--	< 5.8 U	--
Pentachloroethane			--	< 28 U	< 28 U	--	--	--	--	--	--	< 30 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	< 110 U	< 110 U	--	--	--	--	--	--	< 120 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	--	< 5.7 U	< 5.6 U	< 6.8 U	< 6.4 U	< 5.6 U	< 6.5 U	< 6.8 U	< 6.7 U	< 6 U	--	< 5.7 U	--	< 5.7 U	--	< 5.6 U	--	< 5.6 U	--	< 5.7 U	--	< 5.8 U	--
Total Xylenes	1000000	1000000	--	< 11 U	< 11 U	< 14 U	24	< 11 U	< 13 U	22	16	< 12 U	--	< 11 U	--	< 11 U	--	30	--	< 11 U	--	< 11 U	--	< 12 U	--
trans-1,2-Dichloroethene			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	< 11 U	< 11 U	--	--	--	--	--	--	< 12 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	< 11 U	< 11 U	--	--	--	--	--	--	< 12 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	< 5.7 U	< 5.6 U	--	--	--	--	--	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SS-49	SS-50	SS-50	SS-51	SS-51	SS-52	SS-52	SS-53	SS-54	SS-55	SS-55	SS-56	SS-57	SS-58	SS-59	SS-60	SS-61	SS-61	SS-62	SS-63	SS-64	SS-64	SS-64
Sample ID			SS-49_12/20/02_(1-2)GRAB_NM	SS-50_12/17/02_(1-2)GRAB_NM	SS-50_12/20/02_(1-2)GRAB_NM	SS-51_12/17/02_(1-2)GRAB_NM	SS-51_12/20/02_(1-2)GRAB_NM	SS-52_12/17/02_(1-2)GRAB_NM	SS-52_12/20/02_(1-2)GRAB_NM	SS-53_12/19/02_(1-2)GRAB_NM	SS-54_12/19/02_(1-2)GRAB_NM	SS-55_12/17/02_(1-2)GRAB_NM	SS-55_12/20/02_(1-2)GRAB_NM	SS-56_12/19/02_(1-2)GRAB_NM	SS-57_12/19/02_(1-2)GRAB_NM	SS-58_12/19/02_(1-2)GRAB_NM	SS-59_12/19/02_(1-2)GRAB_NM	SS-60_12/19/02_(1-2)GRAB_NM	SS-61_12/17/02_(1-2)GRAB_NM	SS-61_12/20/02_(1-2)GRAB_NM	SS-62_12/19/02_(1-2)GRAB_NM	SS-63_12/19/02_(1-2)GRAB_NM	SS-64_8/15/06_(0-2)GRAB_NM	SS-64_8/15/06_(2-4)GRAB_NM	DUP # 3_8/15/06_(0-2)GRAB_DUP
Sample Date			12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/19/2002	12/19/2002	12/17/2002	12/20/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/17/2002	12/20/2002	12/19/2002	12/19/2002	08/15/2006	08/15/2006	08/15/2006
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Field Parameters																									
pH (Standard Units)			--	5	--	7.4	--	6.7	--	7.2	6.9	6.9	--	7.4	7.3	7.6	6.8	7.5	6.9	--	6.4	6.9	--	--	--
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 530 U	< 560 U	< 530 U
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxicity Equivalent Quotient			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/kg)																									
Antimony			--	< 2500 U	--	< 2300 U	--	< 2400 U	--	< 2200 U	< 2300 U	< 2300 U	--	< 2200 U	< 2400 U	< 2300 U	< 2700 U	< 2600 U	< 2300 U	--	2400	< 2300 U	--	--	--
Arsenic			--	2500	--	1600	--	1600	--	< 1100 U	4400	< 1100 U	--	2000	1200	1600	2400	3900	2300	--	6900	< 1100 U	--	--	--
Barium			--	27000	--	34000	--	41000	--	26000	16000	39000	--	28000	68000	37000	57000	66000	38000	--	62000	18000	--	--	--
Beryllium			--	< 510 U	--	< 460 U	--	< 480 U	--	< 440 U	< 450 U	< 460 U	--	< 440 U	< 470 U	< 460 U	< 540 U	< 510 U	< 450 U	--	550	< 460 U	--	--	--
Cadmium			--	< 630 U	--	< 570 U	--	670	--	< 550 U	< 570 U	< 570 U	--	< 550 U	< 590 U	< 580 U	< 680 U	< 640 U	< 570 U	--	< 590 U	< 570 U	--	--	--
Chromium			--	18000	--	16000	--	21000	--	6200	12000	14000	--	8500	14000	22000	11000	12000	9700	--	11000	4000	--	--	--
Cobalt			--	< 1300 U	--	1300	--	2500	--	1200	< 1100 U	1700	--	< 1100 U	2800	2700	2000	< 1300 U	1800	--	3700	< 1100 U	--	--	--
Copper			--	< 2500 U	--	10000	--	30000	--	3600	3100	7100	--	14000	17000	13000	13000	14000	22000	--	100000	< 2300 U	--	--	--
Lead			--	9200	--	24000	--	80000	--	9700	10000	23000	--	21000	83000	16000	75000	22000	22000	--	60000	33000	--	--	--
Mercury			--	< 30 U	--	120	--	58	--	89	< 20 U	70	--	31	71	53	150	51	39	--	47	< 20 U	--	--	--
Nickel			--	< 5100 U	--	11000	--	7600	--	< 4400 U	< 4500 U	6700	--	< 4400 U	4500	11000	< 5400 U	< 5100 U	< 4500 U	--	9200	< 4600 U	--	--	--
Selenium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	< 1300 U	--	< 1100 U	--	< 1200 U	--	< 1100 U	< 1100 U	< 1100 U	--	< 1100 U	< 1200 U	< 1200 U	< 1400 U	< 1300 U	< 1100 U	--	< 1200 U	< 1100 U	--	--	--
Tin			--	< 6300 U	--	< 5700 U	--	< 6000 U	--	< 5500 U	< 5700 U	< 5700 U	--	< 5500 U	< 5900 U	< 5800 U	< 6800 U	< 6400 U	< 5700 U	--	16000	< 5700 U	--	--	--
Vanadium			--	20000	--	39000	--	31000	--	16000	28000	18000	--	7800	20000	18000	15000	18000	19000	--	18000	7600	--	--	--
Zinc			--	5800	--	96000	--	330000	--	27000	20000	67000	--	100000	180000	56000	140000	250000	50000	--	37000	12000	--	--	--
Herbicides (µg/kg)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																									
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)																									
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	--	< 840 U	--	< 760 U	--	< 780 U	--	< 720 U	< 750 U	< 760 U	--	< 720 U	< 780 U	< 770 U	< 890 U	< 850 U	< 750 U	--	< 780 U	< 760 U	--	--	--
1,2,4,5-Tetrachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID			SS-49	SS-50	SS-50	SS-51	SS-51	SS-52	SS-52	SS-53	SS-54	SS-55	SS-55	SS-56	SS-57	SS-58	SS-59	SS-60	SS-61	SS-61	SS-62	SS-63	SS-64	SS-64	SS-64
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SS-49_12/20/02_(1-2)GRAB_NM	SS-50_12/17/02_(1-2)GRAB_NM	SS-50_12/20/02_(1-2)GRAB_NM	SS-51_12/17/02_(1-2)GRAB_NM	SS-51_12/20/02_(1-2)GRAB_NM	SS-52_12/17/02_(1-2)GRAB_NM	SS-52_12/20/02_(1-2)GRAB_NM	SS-53_12/19/02_(1-2)GRAB_NM	SS-54_12/19/02_(1-2)GRAB_NM	SS-55_12/17/02_(1-2)GRAB_NM	SS-55_12/20/02_(1-2)GRAB_NM	SS-56_12/19/02_(1-2)GRAB_NM	SS-57_12/19/02_(1-2)GRAB_NM	SS-58_12/19/02_(1-2)GRAB_NM	SS-59_12/19/02_(1-2)GRAB_NM	SS-60_12/19/02_(1-2)GRAB_NM	SS-61_12/17/02_(1-2)GRAB_NM	SS-61_12/20/02_(1-2)GRAB_NM	SS-62_12/19/02_(1-2)GRAB_NM	SS-63_12/19/02_(1-2)GRAB_NM	SS-64_8/15/06_(0-2)GRAB_NM	SS-64_8/15/06_(2-4)GRAB_NM	DUP # 3_8/15/06_(0-2)GRAB_DUP
Sample Date			12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/19/2002	12/19/2002	12/17/2002	12/20/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/17/2002	12/20/2002	12/19/2002	12/19/2002	08/15/2006	08/15/2006	08/15/2006
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
1,3-Dinitrobenzene	1050	1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Acetylaminofluorene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	3800	4100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylphenol, 4-Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Aminobiphenyl			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	3800	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroquinoline-N-Oxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-Nitro-o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha,alpha-Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	**2000**	2000	--	< 420 U	--	< 380 U	--	< 390 U	--	< 360 U	< 380 U	< 380 U	--	< 360 U	< 390 U	< 380 U	< 440 U	< 420 U	< 380 U	--	< 390 U	< 380 U	--	--	--
Anthracene	500000	1009000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aramite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	1640	1640	--	< 420 U	--	< 380 U	--	< 390 U	--	< 360 U	< 380 U	< 380 U	--	< 360 U	< 390 U	< 380 U	< 440 U	< 420 U	< 380 U	--	720	< 380 U	--	--	--
Benzo(b)fluoranthene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	5000	46000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl Alcohol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	50000	--	< 420 U	--	< 380 U	--	< 390 U	--	< 360 U	< 380 U	< 380 U	--	< 360 U	< 390 U	< 380 U	< 440 U	< 420 U	< 380 U	--	< 390 U	< 380 U	--	--	--
Butyl benzyl phthalate	50000	218540	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	5000	141000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diallate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	2000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	1000	1900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diphenyl ether			--	< 420 U	--	500	--	< 390 U	--	< 360 U	< 380 U	< 380 U	--	< 360 U	< 390 U	< 380 U	< 440 U	< 420 U	< 380 U	--	< 390 U	< 380 U	--	--	--
Disulfoton			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	360000	360000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	5000	15000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isosafrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methapyrilene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl parathion			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	100000	100000	--	< 420 U	--	< 380 U	--	< 390 U	--	< 360 U	< 380 U	< 380 U	--	< 360 U	< 390 U	< 380 U	< 440 U	< 420 U	< 380 U	--	< 390 U	< 380 U	--	--	--
Nitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-butylamine	1000	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID			SS-49	SS-50	SS-50	SS-51	SS-51	SS-52	SS-52	SS-53	SS-54	SS-55	SS-55	SS-56	SS-57	SS-58	SS-59	SS-60	SS-61	SS-61	SS-62	SS-63	SS-64	SS-64	SS-64
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SS-49_12/20/02_(1-2)GRAB_NM	SS-50_12/17/02_(1-2)GRAB_NM	SS-50_12/20/02_(1-2)GRAB_NM	SS-51_12/17/02_(1-2)GRAB_NM	SS-51_12/20/02_(1-2)GRAB_NM	SS-52_12/17/02_(1-2)GRAB_NM	SS-52_12/20/02_(1-2)GRAB_NM	SS-53_12/19/02_(1-2)GRAB_NM	SS-54_12/19/02_(1-2)GRAB_NM	SS-55_12/17/02_(1-2)GRAB_NM	SS-55_12/20/02_(1-2)GRAB_NM	SS-56_12/19/02_(1-2)GRAB_NM	SS-57_12/19/02_(1-2)GRAB_NM	SS-58_12/19/02_(1-2)GRAB_NM	SS-59_12/19/02_(1-2)GRAB_NM	SS-60_12/19/02_(1-2)GRAB_NM	SS-61_12/17/02_(1-2)GRAB_NM	SS-61_12/20/02_(1-2)GRAB_NM	SS-62_12/19/02_(1-2)GRAB_NM	SS-63_12/19/02_(1-2)GRAB_NM	SS-64_8/15/06_(0-2)GRAB_NM	SS-64_8/15/06_(2-4)GRAB_NM	DUP # 3_8/15/06_(0-2)GRAB_DUP
Sample Date			12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/17/2002	12/20/2002	12/19/2002	12/19/2002	12/17/2002	12/20/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/17/2002	12/20/2002	12/19/2002	12/19/2002	08/15/2006	08/15/2006	08/15/2006
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
N-Nitroso-N-methylethylamine	680	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Trimethyl thiophosphate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	110000	110000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	200000	200000	< 30 U	--	< 32 U	--	< 29 U	--	< 30 U	< 27 U	< 28 U	--	51	< 27 U	< 29 U	< 29 U	< 34 U	< 32 U	--	< 28 U	< 29 U	< 29 U	--	--	--
2-Chlor-1,3-Butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	400000	400000	< 60 U	--	< 63 U	--	61	--	140	80	< 57 U	--	1000	< 55 U	< 59 U	450	110	86	--	67	< 59 U	74	--	--	--
Acetonitrile	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	**100**	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Allyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	500	500	< 6 U	--	< 6.3 U	--	< 5.7 U	--	< 6 U	< 5.5 U	< 5.7 U	--	< 5.7 U	< 5.5 U	< 5.9 U	< 5.8 U	< 6.8 U	< 6.4 U	--	< 5.7 U	< 5.9 U	< 5.7 U	--	--	--
Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	400000	400000	< 6 U	--	< 6.3 U	--	< 5.7 U	--	< 6 U	< 5.5 U	< 5.7 U	--	< 5.7 U	< 5.5 U	< 5.9 U	< 5.8 U	< 6.8 U	< 6.4 U	--	< 5.7 U	< 5.9 U	< 5.7 U	--	--	--
Carbon Tetrachloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			< 12 U	--	< 13 U	--	< 11 U	--	< 12 U	< 11 U	< 11 U	--	< 11 U	< 11 U	< 12 U	< 12 U	< 14 U	< 13 U	--	< 11 U	< 12 U	< 11 U	--	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	70000	70000	< 6 U	--	< 6.3 U	--	< 5.7 U	--	< 6 U	< 5.5 U	< 5.7 U	--	< 5.7 U	< 5.5 U	< 5.9 U	< 5.8 U	< 6.8 U	< 6.4 U	--	< 5.7 U	< 5.9 U	< 5.7 U	--	--	--
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	20000	20000	< 6 U	--	< 6.3 U	--	< 5.7 U	--	17	< 5.5 U	< 5.7 U	--	< 5.7 U	< 5.5 U	< 5.9 U	< 5.8 U	< 6.8 U	< 6.4 U	--	< 5.7 U	< 5.9 U	< 5.7 U	--	--	--
o-Xylene	20000	20000	< 6 U	--	< 6.3 U	--	< 5.7 U	--	9.9	< 5.5 U	< 5.7 U	--	< 5.7 U	< 5.5 U	< 5.9 U	< 5.8 U	< 6.8 U	< 6.4 U	--	< 5.7 U	< 5.9 U	< 5.7 U	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	< 6 U	--	< 6.3 U	--	< 5.7 U	--	< 6 U	< 5.5 U	< 5.7 U	--	< 5.7 U	< 5.5 U	< 5.9 U	< 5.8 U	< 6.8 U	< 6.4 U	--	< 5.7 U	< 5.9 U	< 5.7 U	--	--	--
Total Xylenes	1000000	1000000	< 12 U	--	< 13 U	--	< 11 U	--	27	< 11 U	< 11 U	--	< 11 U	< 11 U	< 12 U	< 12 U	< 14 U	< 13 U	--	< 11 U	< 12 U	< 11 U	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SS-65	SS-65	SS-66	SS-66	SS-67	SS-67	SS-68	SS-68	SS-69	SS-69	SS-70	SS-70	SS-71	SS-71	SS-71	SS-72	SS-72	SS-73	SS-73	SS-74	SS-74	SS-75	SS-75
Sample ID			SS-65_8/15/06_(0-2)GRAB_NM	SS-65_8/15/06_(2-4)GRAB_NM	SS-66_8/15/06_(0-2)GRAB_NM	SS-66_8/15/06_(2-4)GRAB_NM	SS-67_8/15/06_(0-2)GRAB_NM	SS-67_8/15/06_(2-4)GRAB_NM	SS-68_8/15/06_(0-2)GRAB_NM	SS-68_8/15/06_(2-4)GRAB_NM	SS-69_8/15/06_(0-2)GRAB_NM	SS-69_8/15/06_(2-4)GRAB_NM	SS-70_8/15/06_(0-2)GRAB_NM	SS-70_8/15/06_(2-4)GRAB_NM	SS-71_8/15/06_(0-2)GRAB_NM	SS-71_8/15/06_(2-4)GRAB_NM	DUP # 4_8/15/06_(2-4)GRAB_DUP	SS-72_8/15/06_(0-2)GRAB_NM	SS-72_8/15/06_(2-4)GRAB_NM	SS-73_8/15/06_(0-2)GRAB_NM	SS-73_8/15/06_(2-4)GRAB_NM	SS-74_8/15/06_(0-2)GRAB_NM	SS-74_8/15/06_(2-4)GRAB_NM	SS-75_8/15/06_(0-2)GRAB_NM	SS-75_8/15/06_(2-4)GRAB_NM
Sample Date			08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
Field Parameters																									
pH (Standard Units)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/kg)																									
Cyanide			< 520 U	< 600 U	< 550 U	< 590 U	< 550 U	< 540 U	< 570 U	< 590 U	< 550 U	< 580 U	< 540 U	< 560 U	< 530 U	< 550 U	< 560 U	< 560 U	< 580 U	< 580 U	< 570 U	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxicity Equivalent Quotient			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/kg)																									
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/kg)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																									
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)																									
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,1-Biphenyl	**1000**	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID			SS-65	SS-65	SS-66	SS-66	SS-67	SS-67	SS-68	SS-68	SS-69	SS-69	SS-70	SS-70	SS-71	SS-71	SS-71	SS-72	SS-72	SS-73	SS-73	SS-74	SS-74	SS-75	SS-75
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SS-65_8/15/06_(0-2)GRAB_NM	SS-65_8/15/06_(2-4)GRAB_NM	SS-66_8/15/06_(0-2)GRAB_NM	SS-66_8/15/06_(2-4)GRAB_NM	SS-67_8/15/06_(0-2)GRAB_NM	SS-67_8/15/06_(2-4)GRAB_NM	SS-68_8/15/06_(0-2)GRAB_NM	SS-68_8/15/06_(2-4)GRAB_NM	SS-69_8/15/06_(0-2)GRAB_NM	SS-69_8/15/06_(2-4)GRAB_NM	SS-70_8/15/06_(0-2)GRAB_NM	SS-70_8/15/06_(2-4)GRAB_NM	SS-71_8/15/06_(0-2)GRAB_NM	SS-71_8/15/06_(2-4)GRAB_NM	DUP # 4_8/15/06_(2-4)GRAB_DUP	SS-72_8/15/06_(0-2)GRAB_NM	SS-72_8/15/06_(2-4)GRAB_NM	SS-73_8/15/06_(0-2)GRAB_NM	SS-73_8/15/06_(2-4)GRAB_NM	SS-74_8/15/06_(0-2)GRAB_NM	SS-74_8/15/06_(2-4)GRAB_NM	SS-75_8/15/06_(0-2)GRAB_NM	SS-75_8/15/06_(2-4)GRAB_NM
Sample Date			08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
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4-Methylphenol	3800	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Acenaphthene	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha,alpha-Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	**2000**	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Benzo(a)anthracene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	1640	1640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	5000	46000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Di-n-octyl phthalate	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Fluoranthene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	360000	360000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	200	< 110 U	320	480
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N-Nitrosomorpholine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID			SS-65	SS-65	SS-66	SS-66	SS-67	SS-67	SS-68	SS-68	SS-69	SS-69	SS-70	SS-70	SS-71	SS-71	SS-71	SS-72	SS-72	SS-73	SS-73	SS-74	SS-74	SS-75	SS-75
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SS-65_8/15/06_(0-2)GRAB_NM	SS-65_8/15/06_(2-4)GRAB_NM	SS-66_8/15/06_(0-2)GRAB_NM	SS-66_8/15/06_(2-4)GRAB_NM	SS-67_8/15/06_(0-2)GRAB_NM	SS-67_8/15/06_(2-4)GRAB_NM	SS-68_8/15/06_(0-2)GRAB_NM	SS-68_8/15/06_(2-4)GRAB_NM	SS-69_8/15/06_(0-2)GRAB_NM	SS-69_8/15/06_(2-4)GRAB_NM	SS-70_8/15/06_(0-2)GRAB_NM	SS-70_8/15/06_(2-4)GRAB_NM	SS-71_8/15/06_(0-2)GRAB_NM	SS-71_8/15/06_(2-4)GRAB_NM	DUP # 4_8/15/06_(2-4)GRAB_DUP	SS-72_8/15/06_(0-2)GRAB_NM	SS-72_8/15/06_(2-4)GRAB_NM	SS-73_8/15/06_(0-2)GRAB_NM	SS-73_8/15/06_(2-4)GRAB_NM	SS-74_8/15/06_(0-2)GRAB_NM	SS-74_8/15/06_(2-4)GRAB_NM	SS-75_8/15/06_(0-2)GRAB_NM	SS-75_8/15/06_(2-4)GRAB_NM
Sample Date			08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
N-Nitroso-N-methylethylamine	680	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Trimethyl thiophosphate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	110000	110000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlor-1,3-Butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	**100**	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Allyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SS-76	SS-76	SS-77	SS-77	SS-77	SS-77	SS-78	SS-78	SS-79	SS-79	SS-80	SS-82	SS-83	SS-84	SS-85	SS-86	SS-87	SS-88	SS-89	SS-90	SS-93	SS-94	SS-94
Sample ID			SS-76_8/15/06_(0-2)GRAB_NM	SS-76_8/15/06_(2-4)GRAB_NM	SS-77_8/15/06_(0-2)GRAB_NM	SS-77_8/15/06_(2-4)GRAB_NM	DUP # 1_8/15/06_(0-2)GRAB_DUP	DUP # 2_8/15/06_(2-4)GRAB_DUP	SS-78 A_8/15/06_(0-2)GRAB_NM	SS-78 B_8/15/06_(2-4)GRAB_NM	SS-79_8/15/06_(0-2)GRAB_NM	SS-79_8/15/06_(2-4)GRAB_NM	SS-80_11/19/08_(0-2)GRAB_NM	SS-82_11/6/08_(0-2)GRAB_NM	SS-83_11/6/08_(0-2)GRAB_NM	SS-84_11/6/08_(0-2)GRAB_NM	SS-85_11/6/08_(0-2)GRAB_NM	SS-86_11/19/08_(0-2)GRAB_NM	SS-87_11/19/08_(0-2)GRAB_NM	SS-88_11/6/08_(0-2)GRAB_NM	SS-89_11/10/08_(0-2)GRAB_NM	SS-90_11/6/08_(0-2)GRAB_NM	SS-93_11/6/08_(0-4)GRAB_NM	SS-94_11/6/08_(0-2)GRAB_NM	DUP-2_11/6/08_(0-2)GRAB_DUP
Sample Date			08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	11/19/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/19/2008	11/19/2008	11/06/2008	11/10/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008
Sample Type			N	N	N	N	FD	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Field Parameters																									
pH (Standard Units)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/kg)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																									
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxicity Equivalent Quotient			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/kg)																									
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4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)																									
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																									
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 3.6 U	--	--	--
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 41 U	--	< 36 U	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 84 U	--	< 72 U	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 41 U	--	< 36 U	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 41 U	--	< 36 U	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 41 U	--	< 36 U	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	780	--	55	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	250	--	< 36 U	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID			SS-76	SS-76	SS-77	SS-77	SS-77	SS-77	SS-78	SS-78	SS-79	SS-79	SS-80	SS-82	SS-83	SS-84	SS-85	SS-86	SS-87	SS-88	SS-89	SS-90	SS-93	SS-94	SS-94
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SS-76_8/15/06_(0-2)GRAB_NM	SS-76_8/15/06_(2-4)GRAB_NM	SS-77_8/15/06_(0-2)GRAB_NM	SS-77_8/15/06_(2-4)GRAB_NM	DUP # 1_8/15/06_(0-2)GRAB_DUP	DUP # 2_8/15/06_(2-4)GRAB_DUP	SS-78 A_8/15/06_(0-2)GRAB_NM	SS-78 B_8/15/06_(2-4)GRAB_NM	SS-79_8/15/06_(0-2)GRAB_NM	SS-79_8/15/06_(2-4)GRAB_NM	SS-80_11/19/08_(0-2)GRAB_NM	SS-82_11/6/08_(0-2)GRAB_NM	SS-83_11/6/08_(0-2)GRAB_NM	SS-84_11/6/08_(0-2)GRAB_NM	SS-85_11/6/08_(0-2)GRAB_NM	SS-86_11/19/08_(0-2)GRAB_NM	SS-87_11/19/08_(0-2)GRAB_NM	SS-88_11/6/08_(0-2)GRAB_NM	SS-89_11/10/08_(0-2)GRAB_NM	SS-90_11/6/08_(0-2)GRAB_NM	SS-93_11/6/08_(0-4)GRAB_NM	SS-94_11/6/08_(0-2)GRAB_NM	DUP-2_11/6/08_(0-2)GRAB_DUP
Sample Date			08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	11/19/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/19/2008	11/19/2008	11/06/2008	11/10/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008
Sample Type			N	N	N	N	FD	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
1,3-Dinitrobenzene	1050	1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Aniline	**2000**	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Benzo(a)anthracene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	1640	1640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 84 U	< 75 U	--	--	--	--
Benzo(b)fluoranthene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	5000	46000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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bis(2-Ethylhexyl)phthalate	50000	50000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Diallate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	2000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	1000	1900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diphenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disulfoton			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	360000	360000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Formaldehyde	100000	100000	340	260	340	440	560	940	1600	1200	1900	690	1200	54000	320	250	290	1000	1300	1100	150	100 J	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	5000	15000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isosafrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methapyrilene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl parathion			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-butylamine	1000	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID			SS-76	SS-76	SS-77	SS-77	SS-77	SS-77	SS-78	SS-78	SS-79	SS-79	SS-80	SS-82	SS-83	SS-84	SS-85	SS-86	SS-87	SS-88	SS-89	SS-90	SS-93	SS-94	SS-94
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SS-76_8/15/06_(0-2)GRAB_NM	SS-76_8/15/06_(2-4)GRAB_NM	SS-77_8/15/06_(0-2)GRAB_NM	SS-77_8/15/06_(2-4)GRAB_NM	DUP # 1_8/15/06_(0-2)GRAB_DUP	DUP # 2_8/15/06_(2-4)GRAB_DUP	SS-78 A_8/15/06_(0-2)GRAB_NM	SS-78 B_8/15/06_(2-4)GRAB_NM	SS-79_8/15/06_(0-2)GRAB_NM	SS-79_8/15/06_(2-4)GRAB_NM	SS-80_11/19/08_(0-2)GRAB_NM	SS-82_11/6/08_(0-2)GRAB_NM	SS-83_11/6/08_(0-2)GRAB_NM	SS-84_11/6/08_(0-2)GRAB_NM	SS-85_11/6/08_(0-2)GRAB_NM	SS-86_11/19/08_(0-2)GRAB_NM	SS-87_11/19/08_(0-2)GRAB_NM	SS-88_11/6/08_(0-2)GRAB_NM	SS-89_11/10/08_(0-2)GRAB_NM	SS-90_11/6/08_(0-2)GRAB_NM	SS-93_11/6/08_(0-4)GRAB_NM	SS-94_11/6/08_(0-2)GRAB_NM	DUP-2_11/6/08_(0-2)GRAB_DUP
Sample Date			08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	08/15/2006	11/19/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008	11/19/2008	11/19/2008	11/06/2008	11/10/2008	11/06/2008	11/06/2008	11/06/2008	11/06/2008
Sample Type			N	N	N	N	FD	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
N-Nitroso-N-methylethylamine	680	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Trimethyl thiophosphate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	110000	110000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	200000	200000	--	--	--	--	--	--	--	--	--	--	< 29 U	--	--	--	--	6.1 J	< 36 U	--	--	--	--	--	--
2-Chlor-1,3-Butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	**100**	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 92 U	< 95 U	< 78 U
Acrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Allyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	500	500	--	--	--	--	--	--	--	--	--	--	< 5.7 U	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	70000	70000	--	--	--	--	--	--	--	--	--	--	< 5.7 U	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	--	--	--	--	--	--	--	--	--	--	< 5.7 U	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000000	1000000	--	--	--	--	--	--	--	--	--	--	< 11 U	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SS-95	SS-96	SS-97	SS-97
Sample ID			SS-95_11/6/08_(0-2)GRAB_NM	SS-96_11/6/08_(0-2)GRAB_NM	SS-97_11/10/08_(0-2)GRAB_NM	DUP-4_11/10/08_(0-2)GRAB_DUP
Sample Date			11/06/2008	11/06/2008	11/10/2008	11/10/2008
Sample Type			N	N	N	FD
Field Parameters						
pH (Standard Units)			--	--	--	--
General Chemistry (µg/kg)						
Cyanide			--	--	--	--
Total Organic Carbon			--	--	--	--
Dioxins and Furans (µg/kg)						
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			--	--	--	--
Heptachlorodibenzofurans			--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--
Hexachlorodibenzofurans			--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--
Octachlorodibenzofuran			--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--
Toxicity Equivalent Quotient			--	--	--	--
Metals (µg/kg)						
Antimony			--	--	--	--
Arsenic			--	--	--	--
Barium			--	--	--	--
Beryllium			--	--	--	--
Cadmium			--	--	--	--
Chromium			--	--	--	--
Cobalt			--	--	--	--
Copper			--	--	--	--
Lead			--	--	--	--
Mercury			--	--	--	--
Nickel			--	--	--	--
Selenium			--	--	--	--
Silver			--	--	--	--
Thallium			--	--	--	--
Tin			--	--	--	--
Vanadium			--	--	--	--
Zinc			--	--	--	--
Herbicides (µg/kg)						
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--
Pesticides (µg/kg)						
4,4-DDD (Rhothane)			--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--
Aldrin			--	--	--	--
Alpha-BHC			--	--	--	--
Beta-BHC			--	--	--	--
Chlordane			--	--	--	--
Chlorobenzilate			--	--	--	--
Delta-BHC			--	--	--	--
Dieldrin			--	--	--	--
Endosulfan I			--	--	--	--
Endosulfan II			--	--	--	--
Endosulfan sulfate			--	--	--	--
Endrin	10000	10000	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--
Gamma-BHC			--	--	--	--
Heptachlor			--	--	--	--
Heptachlor epoxide			--	--	--	--
Isodrin			--	--	--	--
Kepone			--	--	--	--
Methoxychlor	10000	28000	--	--	--	--
Technical BHC			--	--	--	--
Toxaphene			--	--	--	--
Total Petroleum Hydrocarbon (µg/kg)						
Diesel Range Organics			--	--	--	--
Gasoline Range Organics			--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--
Polychlorinated Biphenyls (µg/kg)						
4,4-DDT	660	2800	< 3.8 U	--	--	--
Aroclor 1016			< 38 U	--	--	--
Aroclor 1221			< 77 U	--	--	--
Aroclor 1232			< 38 U	--	--	--
Aroclor 1242			< 38 U	--	--	--
Aroclor 1248			< 38 U	--	--	--
Aroclor 1254	1550	1550	180	--	--	--
Aroclor 1260	1550	1550	94	--	--	--
Semi-Volatile Organic Compounds (µg/kg)						
1,1-Biphenyl	**1000**	1000	--	--	--	--
1,2,4,5-Tetrachlorobenzene			--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--
1,2-Dichlorobenzene			--	--	--	--
1,3,5-Trinitrobenzene			--	--	--	--
1,3-Dichlorobenzene			--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SS-95	SS-96	SS-97	SS-97
Sample ID			SS-95_11/6/08_(0-2)GRAB_NM	SS-96_11/6/08_(0-2)GRAB_NM	SS-97_11/10/08_(0-2)GRAB_NM	DUP-4_11/10/08_(0-2)GRAB_DUP
Sample Date			11/06/2008	11/06/2008	11/10/2008	11/10/2008
Sample Type			N	N	N	FD
1,3-Dinitrobenzene	1050	1050	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--
1,4-Naphthoquinone			--	--	--	--
1-Naphthylamine			--	--	--	--
2,2-Oxybis(1-Chloropropane)			--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	--	--
2,4,5-Trichlorophenol			--	--	--	--
2,4,6-Trichlorophenol			--	--	--	--
2,4-Dichlorophenol			--	--	--	--
2,4-Dimethylphenol	70000	70000	--	--	--	--
2,4-Dinitrophenol			--	--	--	--
2,4-Dinitrotoluene			--	--	--	--
2,6-Dichlorophenol			--	--	--	--
2,6-Dinitrotoluene			--	--	--	--
2-Acetylaminofluorene			--	--	--	--
2-Chloronaphthalene			--	--	--	--
2-Chlorophenol			--	--	--	--
2-Methyl-4,6-dinitrophenol			--	--	--	--
2-Methylnaphthalene			--	--	--	--
2-Methylphenol	3800	4100	--	--	--	--
2-Naphthylamine			--	--	--	--
2-Nitroaniline			--	--	--	--
2-Nitrophenol			--	--	--	--
2-Picoline			--	--	--	--
3,3-Dichlorobenzidine			--	--	--	--
3,3-Dimethylbenzidine			--	--	--	--
3-Methylchloranthrene			--	--	--	--
3-Methylphenol, 4-Methylphenol			--	--	--	--
3-Nitroaniline			--	--	--	--
4-Aminobiphenyl			--	--	--	--
4-Bromophenyl phenyl ether			--	--	--	--
4-Chloro-3-Methylphenol			--	--	--	--
4-Chlorophenyl phenyl ether			--	--	--	--
4-Dimethylaminoazobenzene			--	--	--	--
4-Methylphenol	3800	8000	--	--	--	--
4-Nitroaniline			--	--	--	--
4-Nitrophenol			--	--	--	--
4-Nitroquinoline-N-Oxide			--	--	--	--
5-Nitro-o-Toluidine			--	--	--	--
7,12-Dimethylbenz(a)anthracene			--	--	--	--
Acenaphthene	300000	300000	--	--	--	--
Acenaphthylene	130000	130000	--	--	--	--
Acetophenone	400000	400000	--	--	--	--
alpha,alpha-Dimethylphenethylamine			--	--	--	--
Aniline	**2000**	2000	--	--	--	--
Anthracene	500000	1009000	--	--	--	--
Aramite			--	--	--	--
Benzo(a)anthracene	5000	5000	--	--	--	--
Benzo(a)pyrene	1640	1640	--	--	--	--
Benzo(b)fluoranthene	5000	5000	--	--	--	--
Benzo(g,h,i)perylene	500000	500000	--	--	--	--
Benzo(k)fluoranthene	5000	46000	--	--	--	--
Benzyl Alcohol			--	--	--	--
beta-Pinene			--	--	--	--
bis(2-Chloroethoxy)methane			--	--	--	--
bis(2-Chloroethyl)ether			--	--	--	--
bis(2-Chloroisopropyl)ether			--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	50000	--	--	--	--
Butyl benzyl phthalate	50000	218540	--	--	--	--
Chrysene	5000	141000	--	--	--	--
Diallate			--	--	--	--
Dibenzo(a,h)anthracene	2000	5000	--	--	--	--
Dibenzofuran	1000	1900	--	--	--	--
Diethyl phthalate			--	--	--	--
Dimethoate			--	--	--	--
Dimethyl phthalate			--	--	--	--
Dimethylphenethylamine			--	--	--	--
Di-n-butyl phthalate			--	--	--	--
Di-n-octyl phthalate	70000	70000	--	--	--	--
Dinoseb			--	--	--	--
Diphenyl ether			--	--	--	--
Disulfoton			--	--	--	--
Ethyl Methanesulfonate			--	--	--	--
Famphur			--	--	--	--
Fluoranthene	500000	500000	--	--	--	--
Fluorene	360000	360000	--	--	--	--
Formaldehyde	100000	100000	180	130	--	--
Hexachloro-1,3-butadiene			--	--	--	--
Hexachlorobenzene			--	--	--	--
Hexachlorocyclopentadiene			--	--	--	--
Hexachloroethane			--	--	--	--
Hexachlorophene			--	--	--	--
Hexachloropropene			--	--	--	--
Indeno(1,2,3-cd)pyrene	5000	15000	--	--	--	--
Isophorone			--	--	--	--
Isosafrole			--	--	--	--
Methapyrilene			--	--	--	--
Methyl methanesulfonate			--	--	--	--
Methyl parathion			--	--	--	--
Naphthalene	100000	100000	--	--	--	--
Nitrobenzene			--	--	--	--
N-Nitrosodiethylamine			--	--	--	--
N-Nitrosodimethylamine			--	--	--	--
N-Nitrosodi-n-butylamine	1000	1000	--	--	--	--
N-Nitrosodi-n-propylamine			--	--	--	--
N-Nitrosodiphenylamine			--	--	--	--
N-Nitrosomorpholine			--	--	--	--

Location ID			SS-95	SS-96	SS-97	SS-97
Sample ID	Type 1/2 RRS	Type 3/4 RRS	SS-95_11/6/08_(0-2)GRAB_NM	SS-96_11/6/08_(0-2)GRAB_NM	SS-97_11/10/08_(0-2)GRAB_NM	DUP-4_11/10/08_(0-2)GRAB_DUP
Sample Date			11/06/2008	11/06/2008	11/10/2008	11/10/2008
Sample Type			N	N	N	FD
N-Nitroso-N-methylethylamine	680	1000	--	--	--	--
N-Nitrosopiperidine			--	--	--	--
N-Nitrosopyrrolidine			--	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	--	--
o,o,o-Trimethyl thiophosphate			--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--
o-Toluidine			--	--	--	--
Parathion	20000	20000	--	--	--	--
p-Chloroaniline			--	--	--	--
Pentachlorobenzene			--	--	--	--
Pentachloronitrobenzene			--	--	--	--
Pentachlorophenol			--	--	--	--
Phenacetin			--	--	--	--
Phenanthrene	110000	110000	--	--	--	--
Phenol			--	--	--	--
Phorate			--	--	--	--
Pinene			--	--	--	--
p-Phenylenediamine			--	--	--	--
Propyzamide			--	--	--	--
Pyrene	500000	500000	--	--	--	--
Pyridine			--	--	--	--
Safrole			--	--	--	--
Sulfotep			--	--	--	--
Volatile Organic Compounds (µg/kg)						
1,1,1,2-Tetrachloroethane			--	--	--	--
1,1,1-Trichloroethane			--	--	--	--
1,1,2,2-Tetrachloroethane			--	--	--	--
1,1,2-Trichloroethane			--	--	--	--
1,1-Dichloroethane			--	--	--	--
1,1-Dichloroethene			--	--	--	--
1,2,3-Trichloropropane			--	--	--	--
1,2-Dibromo-3-chloropropane			--	--	--	--
1,2-Dibromoethane			--	--	--	--
1,2-Dichloroethane			--	--	--	--
1,2-Dichloropropane	500	500	--	--	--	--
2-Butanone (MEK)	200000	200000	< 22 U	< 23 U	--	--
2-Chlor-1,3-Butadiene			--	--	--	--
2-Methyl-1-propanol	1000000	1000000	--	--	--	--
4-Methyl-2-Pentanone	200000	200000	--	--	--	--
Acetone	400000	400000	--	--	--	--
Acetonitrile	20000	20000	--	--	--	--
Acrolein	**100**	100	--	--	--	--
Acrylonitrile			--	--	--	--
Allyl chloride			--	--	--	--
Benzene	500	500	< 4.3 U	< 4.6 U	< 4.7 U	< 4.6 U
Bromodichloromethane			--	--	--	--
Bromoform			--	--	--	--
Bromomethane			--	--	--	--
Carbon Disulfide	400000	400000	--	--	--	--
Carbon Tetrachloride			--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--
Chlorobenzene	10000	10000	--	--	--	--
Chlorobenzilate			--	--	--	--
Chlorodibromomethane			--	--	--	--
Chloroethane			--	--	--	--
Chloroform			--	--	--	--
Chloromethane			--	--	--	--
cis-1,2-Dichloroethene			--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--
Dibromomethane			--	--	--	--
Dichloromethane			--	--	--	--
Ethyl Methacrylate	300000	300000	--	--	--	--
Ethylbenzene	70000	70000	< 4.3 U	< 4.6 U	< 4.7 U	< 4.6 U
Iodomethane			--	--	--	--
m&p-Xylenes			--	--	--	--
Methyl methacrylate			--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--
Methylacrylonitrile			--	--	--	--
m-Xylene	20000	20000	--	--	--	--
o-Xylene	20000	20000	--	--	--	--
Pentachloroethane			--	--	--	--
Propionitrile			--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--
Toluene	100000	100000	2.8 J	0.75 J	< 4.7 U	< 4.6 U
Total Xylenes	1000000	1000000	3.3 J	< 9.1 U	< 9.5 U	< 9.3 U
trans-1,2-Dichloroethene			--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--
Trichloroethene			--	--	--	--
Vinyl acetate			--	--	--	--
Vinyl chloride			--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-108	SB-108	SB-109	SB-109	SB-109	SB-110	SB-111	SB-113	SB-114	SB-116	SB-117	SB-118	SB-119	SB-120	SB-120	SB-122	SB-123	SB-123	SB-124	SB-126	SB-128	SB-129	SB-129	SB-130	SB-131	SB-132	SB-133	SB-134
Sample ID			SB-108 (0-1)	SB-108 (1-3)	SB-109 (0-1)	SB-109 (1-3)	DUP-02 (0-1)	SB-110 (0-1)	SB-111 (0-1)	SB-113 (0-1)	SB-114 (0-1)	SB-116 (0-1)	SB-117 (0-1)	SB-118 (0-1)	SB-119 (0-1)	SB-120 (0-1)	SB-120 (1-3)	SB-122 (0-1)	SB-123 (0-1)	SB-123 (1-3)	SB-124 (0-1)	SB-126 (0-1)	SB-128 (0-1)	SB-129 (0-1)	SB-129 (1-3)	SB-130 (0-1)	SB-131 (0-1)	SB-132 (0-1)	SB-133 (0-1)	SB-134 (0-1)
Sample Date			08/19/2014	08/19/2014	08/20/2014	08/20/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/19/2014	08/19/2014
Sample Type			N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																														
pH (Standard Units)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/kg)																														
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																														
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,4,6,7,8-CDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,4,6,7,8-HCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,6,7,8-HCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-123478-HxCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-2378-TCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-2,3,7,8-TCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-OCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ WHO2005 ND=0.5	**0.12**	0.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																														
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 200 U	< 200 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																														
Aroclor 1016			--	--	--	--	--	--	--	--	--	< 40 U	< 38 U	--	--	--	--	< 40 U	< 41 U	< 40 U	< 170 U	< 38 U	< 38 U	< 37 U	< 36 U	< 36 U	< 38 U	< 38 U	< 41 U	< 38 U
Aroclor 1221			--	--	--	--	--	--	--	--	--	< 40 U	< 38 U	--	--	--	--	< 40 U	< 41 U	< 40 U	< 170 U	< 38 U	< 38 U	< 37 U	< 36 U	< 36 U	< 38 U	< 38 U	< 41 U	< 38 U
Aroclor 1232			--	--	--	--	--	--	--	--	--	< 40 U	< 38 U	--	--	--	--	< 40 U	< 41 U	< 40 U	< 170 U	< 38 U	< 38 U	< 37 U	< 36 U	< 36 U	< 38 U	< 38 U	< 41 U	< 38 U
Aroclor 1242			--	--	--	--	--	--	--	--	--	< 40 U	< 38 U	--	--	--	--	< 40 U	< 41 U	< 40 U	< 170 U	< 38 U	< 38 U	< 37 U	< 36 U	< 36 U	< 38 U	< 38 U	< 41 U	< 38 U
Aroclor 1248			--	--	--	--	--	--	--	--	--	< 40 U	< 38 U	--	--	--	--	< 40 U	< 41 U	< 40 U	< 170 U	< 38 U	< 38 U	< 37 U	< 36 U	< 36 U	< 38 U	< 38 U	< 41 U	< 38 U
Aroclor 1254	**1550**	1550	--	--	--	--	--	--	--	--	--	< 40 U	100	--	--	--	--	**14000 E**	98	170	200	260	150	< 37 U	< 36 U	210	290	340	210	94
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	< 40 U	< 38 U	--	--	--	--	< 40 U	< 41 U	< 40 U	< 170 U	< 38 U	< 38 U	< 37 U	< 36 U	< 36 U	< 38 U	< 38 U	< 41 U	< 38 U
Aroclor 1262			--	--	--	--	--	--	--	--	--	< 40 U	< 38 U	--	--	--	--	< 40 U	< 41 U	< 40 U	< 170 U	< 38 U	< 38 U	< 37 U	< 36 U	< 36 U	< 38 U	< 38 U	< 41 U	< 38 U
Aroclor 1268			--	--	--	--	--	--	--	--	--	< 40 U	< 38 U	--	--	--	--	< 40 U	< 41 U	< 40 U	< 170 U	< 38 U	< 38 U	< 37 U	< 36 U	< 36 U	< 38 U	< 38 U	< 41 U	< 38 U
Decachlorobiphenyl			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	0.028	0.032	< 0.024 U	0.09	0.31	0.079	0.1	< 0.021 U	0.096	< 0.023 U	0.13	0.17	0.16
PCB-1			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	2.5	4.3 E	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-10			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-103			--	--	--	--	--	--	--	--	--	< 0.053 U	< 0.043 U	--	--	--	--	< 0.025 U	< 0.11 U	< 0.099 U	< 0.089 U	< 1.3 U	< 0.15 U	< 0.022 U	< 0.021 U	< 0.18 U	< 0.12 U	< 0.12 U	< 0.062 U	< 0.13 U
PCB-104			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-104L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105			--	--	--	--	--	--	--	--	--	1.8 G	1.2 G	--	--	--	--	0.83 G	2.6 E	3.3 E	3 E	28 E	8.6 E	0.019	0.01	6.2 E	4.3 E	4 E	2 G	3.7 G
PCB-105L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-106			--	--	--	--	--	--	--	--	--	< 0.051 U	< 0.038 U	--	--	--	--	< 0.023 U	< 0.099 U	< 0.087 U	< 0.079 U	< 1.1 U	< 0.13 U	< 0.022 U	< 0.021 U	< 0.16 U	< 0.11 U	< 0.11 U	< 0.06 U	< 0.12 U
PCB-107			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-107/124			--	--	--	--	--	--	--	--	--	0.19	0.12	--	--	--	--	0.079	0.64 G	0.64 G	0.29 G	3 G	0.63 G	< 0.043 U	< 0.042 U	0.71 G	0.47 G	0.41 G	0.18 G	0.35 G
PCB-109			--	--	--	--	--	--	--	--	--	0.26 G	0.18 G	--	--	--	--	0.13	0.69 G	0.72 G	0.54 G	5.1 G	1.2 G	< 0.022 U	< 0.021 U	1.2 G	0.72 G	0.8 G	0.31 G	0.68 G
PCB-11			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-110			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-110/115			--	--	--	--	--	--	--	--	--	5.6 E	3.6	--	--	--	--	1.9	12 E	14 E	8.9 E	130 E	18 E	0.12	0.06	26 E	15 E	19 E	7.9 G	14 G
PCB-111			--	--	--	--	--	--	--	--	--	< 0.042 U	< 0.032 U	--	--	--	--	< 0.023 U	< 0.084 U	< 0.073 U	< 0.066 U	< 0.96 U	< 0.11 U	< 0.022 U	< 0.021 U	< 0.13 U	< 0.092 U	< 0.092 U	< 0.049 U	< 0.1 U
PCB-112			--	--	--	--	--	--	--	--	--	< 0.04 U	< 0.033 U	--	--	--	--	< 0.023 U	< 0.087 U	< 0.076 U	< 0.069 U	< 0.99 U	< 0.12 U	< 0.022 U	< 0.021 U	< 0.14 U	< 0.096 U	< 0.095 U	< 0.047 U	< 0.097 U
PCB-114			--	--	--	--	--	--	--	--	--	0.059 G	0.038 G	--	--	--	--	0.029 G	< 0.1 U	< 0.085 U	0.13 G	1.4 G	0.35 G	< 0.0022 U	< 0.0021 U	0.22 G	0.2 G	0.14 G	< 0.059 U	< 0.12 U

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-108	SB-108	SB-109	SB-109	SB-109	SB-110	SB-111	SB-113	SB-114	SB-116	SB-117	SB-118	SB-119	SB-120	SB-120	SB-122	SB-123	SB-123	SB-124	SB-126	SB-128	SB-129	SB-129	SB-130	SB-131	SB-132	SB-133	SB-134
Sample ID			SB-108 (0-1)	SB-108 (1-3)	SB-109 (0-1)	SB-109 (1-3)	DUP-02 (0-1)	SB-110 (0-1)	SB-111 (0-1)	SB-113 (0-1)	SB-114 (0-1)	SB-116 (0-1)	SB-117 (0-1)	SB-118 (0-1)	SB-119 (0-1)	SB-120 (0-1)	SB-120 (1-3)	SB-122 (0-1)	SB-123 (0-1)	SB-123 (1-3)	SB-124 (0-1)	SB-126 (0-1)	SB-128 (0-1)	SB-129 (0-1)	SB-129 (1-3)	SB-130 (0-1)	SB-131 (0-1)	SB-132 (0-1)	SB-133 (0-1)	SB-134 (0-1)
Sample Date			08/19/2014	08/19/2014	08/20/2014	08/20/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/19/2014	08/19/2014
Sample Type			N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PCB-114L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-115			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.9	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118			--	--	--	--	--	--	--	--	--	3.9 G	2.9 E	--	--	--	--	2.1 G	9.4 E	11 E	6.9 E	71 E	19 E	0.046	0.029	15 E	10 E	9.3 E	4.6 G	9 G
PCB-118L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12/13			--	--	--	--	--	--	--	--	--	< 0.048 U	< 0.044 U	--	--	--	--	< 0.047 U	< 0.048 U	< 0.048 U	< 0.051 U	< 0.45 U	< 0.046 U	< 0.043 U	< 0.042 U	< 0.043 U	< 0.045 U	< 0.045 U	< 0.05 U	< 0.045 U
PCB-120			--	--	--	--	--	--	--	--	--	< 0.045 U	< 0.034 U	--	--	--	--	< 0.023 U	< 0.088 U	< 0.077 U	< 0.07 U	< 1 U	< 0.12 U	< 0.022 U	< 0.021 U	< 0.14 U	< 0.097 U	< 0.096 U	< 0.052 U	< 0.11 U
PCB-121			--	--	--	--	--	--	--	--	--	< 0.042 U	< 0.032 U	--	--	--	--	< 0.023 U	< 0.085 U	< 0.075 U	< 0.067 U	< 0.97 U	< 0.12 U	< 0.022 U	< 0.021 U	< 0.13 U	< 0.094 U	< 0.093 U	< 0.049 U	< 0.1 U
PCB-122			--	--	--	--	--	--	--	--	--	0.086 G	< 0.039 U	--	--	--	--	< 0.023 U	< 0.1 U	< 0.09 U	< 0.081 U	< 1.2 U	0.23 G	< 0.022 U	< 0.021 U	< 0.16 U	0.16 G	< 0.11 U	< 0.062 U	< 0.13 U
PCB-123			--	--	--	--	--	--	--	--	--	0.085 G	0.044 G	--	--	--	--	0.041 G	0.22 G	0.18 G	0.09 G	< 1.1 U	0.22 G	< 0.0022 U	< 0.0021 U	0.2 G	0.17 G	0.11 G	0.086 G	0.73 G
PCB-123L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126			--	--	--	--	--	--	--	--	--	0.13 G	< 0.042 U	--	--	--	--	< 0.029 U	< 0.12 U	< 0.1 U	< 0.097 U	2.2 G	0.51 G	0.0037	< 0.0021 U	0.34 G	0.16 G	0.18 G	0.11 G	< 0.16 U
PCB-126L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-127			--	--	--	--	--	--	--	--	--	< 0.051 U	< 0.037 U	--	--	--	--	< 0.023 U	< 0.098 U	< 0.086 U	< 0.078 U	< 1.1 U	< 0.13 U	< 0.022 U	< 0.021 U	< 0.15 U	< 0.11 U	< 0.11 U	< 0.06 U	< 0.12 U
PCB-128			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128/162			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128/166			--	--	--	--	--	--	--	--	--	2.7	0.8	--	--	--	--	0.71	3.6	3.5	2.3	35 G	4.5 G	0.061	< 0.042 U	5.9 E	2.5	4.1 G	1.8	2.9 G
PCB-129			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163			--	--	--	--	--	--	--	--	--	13 E	4.3	--	--	--	--	3.8	18 E	18 E	12 E	160 E	24 E	0.29	0.099	30 E	14 E	22 E	9.5 E	15 E
PCB-130			--	--	--	--	--	--	--	--	--	0.83 G	0.28	--	--	--	--	0.21	1.1 G	1.1 G	0.75 G	13 G	1.5 G	< 0.022 U	< 0.021 U	2.1 G	0.9 G	1.4 G	0.69 G	1.1 G
PCB-131			--	--	--	--	--	--	--	--	--	0.11 G	0.038	--	--	--	--	0.031	< 0.057 U	0.092 G	0.13 G	2.4 G	0.27 G	< 0.022 U	< 0.021 U	0.43 G	0.18 G	0.29 G	0.12 G	0.21 G
PCB-132			--	--	--	--	--	--	--	--	--	3 G	1.1	--	--	--	--	0.69	4 E	4.1 E	3 E	57 E	6.1 E	0.05	0.024	9.3 E	4.2 E	6.2 E	2.7 E	4.5 G
PCB-133			--	--	--	--	--	--	--	--	--	0.11 G	0.039	--	--	--	--	0.03	0.15 G	0.15 G	0.11 G	1.9 G	0.23 G	< 0.022 U	< 0.021 U	0.31 G	0.12 G	0.2 G	0.096	0.16 G
PCB-134			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-134/143			--	--	--	--	--	--	--	--	--	0.49 G	0.19	--	--	--	--	0.11	0.53 G	0.61 G	0.5 G	8.9 G	0.92 G	< 0.043 U	< 0.042 U	1.5 G	0.68	1 G	0.46	0.73 G
PCB-135			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-135/151			--	--	--	--	--	--	--	--	--	1.7	0.7	--	--	--	--	0.44	2.2 G	2.4 G	2	33 G	3.6 G	< 0.043 U	< 0.042 U	5.9 E	2.5	3.5 G	1.6	2.7 G
PCB-136			--	--	--	--	--	--	--	--	--	0.7 G	0.27	--	--	--	--	0.18	0.7 G	0.65 G	0.77 G	14 G	1.8 G	< 0.022 U	< 0.021 U	2.5 E	1.1	1.5 G	0.68	1.1 G
PCB-137			--	--	--	--	--	--	--	--	--	0.72 G	0.21	--	--	--	--	0.23	1 G	1 G	0.67 G	7.7 G	1.4 G	< 0.022 U	< 0.021 U	1.8 G	0.79 G	1.2 G	0.53	0.85 G
PCB-139			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-139/140			--	--	--	--	--	--	--	--	--	0.19	0.065	--	--	--	--	0.049	0.18	0.18 G	0.21	3.1 G	0.42 G	< 0.043 U	< 0.042 U	0.54 G	0.22	0.35 G	0.16	0.26 G
PCB-14			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-141			--	--	--	--	--	--	--	--	--	1.3 G	0.56	--	--	--	--	0.4	2.3 G	2.5 E	1.5 G	20 G	2.7 E	< 0.022 U	< 0.021 U	4.2 E	2.1 G	2.9 E	1.3	2.1 G
PCB-142			--	--	--	--	--	--	--	--	--	< 0.049 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.052 U	< 0.055 U	< 0.051 U	< 0.78 U	< 0.082 U	< 0.022 U	< 0.021 U	< 0.076 U	< 0.033 U	< 0.083 U	< 0.025 U	0.19 G
PCB-144			--	--	--	--	--	--	--	--	--	0.24 G	0.099	--	--	--	--	0.066	0.26 G	0.27 G	0.31 G	5.1 G	0.55 G	< 0.022 U	< 0.021 U	0.28 G	0.42 G	0.56 G	0.24	0.4 G
PCB-145			--	--	--	--	--	--	--	--	--	< 0.031 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.036 U	< 0.038 U	< 0.036 U	< 0.54 U	< 0.057 U	< 0.022 U	< 0.021 U	< 0.052 U	< 0.023 U	< 0.058 U	< 0.025 U	< 0.037 U
PCB-146			--	--	--	--	--	--	--	--	--	1.3 G	0.42	--	--	--	--	0.34	1.6 G	1.7 G	1.2 G	19 G	2.5 E	0.035	< 0.021 U	3.2 E	1.3 G	2.1 G	1	1.7 G
PCB-147			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-147/149			--	--	--	--	--	--	--	--	--	4.7	2	--	--	--	--	1.2	5.9 E	5.7 E	5.4 E	94 E	11 E	0.1	0.046	16 E	7.2 E	10 E	4.5	7.6 G
PCB-148			--	--	--	--	--	--	--	--	--	< 0.043 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.048 U	< 0.051 U	< 0.048 U	< 0.72 U	< 0.076 U	< 0.022 U	< 0.021 U	< 0.07 U	< 0.03 U	< 0.077 U	< 0.025 U	< 0.051 U
PCB-15			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	0.023	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-150			--	--	--	--	--	--	--	--	--	< 0.029 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.033 U	< 0.035 U	< 0.033 U	< 0.5 U	< 0.052 U	< 0.022 U	< 0.021 U	< 0.048 U	< 0.023 U	< 0.053 U	< 0.025 U	< 0.034 U
PCB-152			--	--	--	--	--	--	--	--	--	< 0.03 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.035 U	< 0.037 U	< 0.035 U	< 0.53 U	< 0.055 U	< 0.022 U	< 0.021 U	< 0.051 U	< 0.023 U	< 0.056 U	< 0.025 U	< 0.035 U
PCB-153			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-153/168			--	--	--	--	--	--	--	--	--	6 E	2.5	--	--	--	--	2.1	9.4 E	9.7 E	6.9 E	70 E	13 E	0.1	0.047	16 E	7.7 E	12 E	4.9	8.1 E
PCB-154			--	--	--	--	--	--	--	--	--	< 0.039 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.042 U	0.06 G	0.069 G	0.95 G	< 0.067 U	< 0.022 U	< 0.021 U	0.13 G	0.065 G	0.1 G	< 0.025 U	< 0.045 U
PCB-155			--	--	--	--	--	--	--	--	--	< 0.036 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.037 U	< 0.044 U	< 0.034 U	< 0.51 U	< 0.04 U	< 0.022 U	< 0.021 U	< 0.048 U	< 0.023 U	< 0.051 U	< 0.025 U	< 0.036 U
PCB-155L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156/157			--	--	--	--	--	--	--	--	--	1.4 G	0.62 G	--	--	--	--	0.46	2.6 G	2.7 G	1.8 G	21 G	3.7 G	0.024	0.012	4 G	1.9 G	3.5 G	1.3 G	2.2 G
PCB-156L/157L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-158			--	--	--	--	--	--	--	--	--	1.3 G	0.46	--	--	--	--	0.36	1.9 G	1.9 G	1.2 G	18 G	2.4 E	0.026	< 0.021 U	3.3 E	1.5	2.4 E	1	1.7 G
PCB-159			--	--	--	--	--	--	--	--	--	0.037	< 0.022 U	--	--	--	--	< 0.023 U	0.06	0.05	< 0.025 U	< 0.23 U	0.051	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	0.03	0.046
PCB-15L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-16			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	0.053	< 0.023 U	< 0.023 U	< 0.025 U	0.032
PCB-160			--	--	--	--	--	--	--	--	--	< 0.039 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.041 U	< 0.044 U	< 0.041 U	< 0.63 U	< 0.066 U	< 0.022 U	< 0.021 U	< 0.061 U	< 0.026 U	< 0.067 U	< 0.025 U	< 0.045 U
PCB-161			--	--	--	--	--	--	--	--	--	< 0.034 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.037 U	< 0.04 U	< 0.037 U	< 0.56 U	< 0.059 U	< 0.022 U	< 0.021 U	< 0.054 U	< 0.023 U	< 0.06 U	< 0.025 U	< 0.039 U
PCB-162			--	--	--	--	--	--	--	--	--	0.077	0.023	--	--	--	--	< 0.023 U	0.098	0.095	0.059	0.38	0.12	< 0.022 U	< 0.021 U	0.024	< 0.023 U	0.033	0.058	0.088
PCB-164			--	--	--	--	--	--	--	--	--	0.85 G	0.27	--	--	--	--	0.18	1.1 G	1.1 G	0.74 G	14 G	1.3 G	0.028	< 0.021 U	2 G	0.84 G	1.4 G	0.67	1 G
PCB-165			--	--	--	--	--	--	--	--	--	< 0.039 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.043 U	< 0.046 U	< 0.043 U	< 0.65 U	< 0.068 U	< 0.022 U	< 0.021 U	< 0.063 U	< 0.027 U	< 0.069 U	< 0.025 U	< 0.045 U
PCB-167			--	--	--	--	--	--	--	--	--	0.53 G	0.2 G	--	--	--	--	0.15 G	0.85 G	0.89 G	0.56 G	7.1 G	1.2 G	0.011	0.0043	1.3 G	0.59 G	1 G	0.42 G	0.71 G
PCB-167L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-169			--	--	--	--	--	--	--	--	--	< 0.014 U	< 0.0051 U	--	--	--	--	< 0.0055 U	< 0.021 U	< 0.02 U	< 0.018 U	< 0.11 U	< 0.018 U	< 0.0022 U	< 0.0021 U	< 0.022 U	< 0.014 U	< 0.017 U	< 0.012 U	< 0.017 U
PCB-169L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-17			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	0.044	< 0.023 U	< 0.023 U	< 0.025 U	0.024
PCB-170			--	--	--	--	--	--	--	--	--	2	0.53	--	--	--	--	0.35	2.4 E	2.3	1.4	26 E	2.6 E	0.13	0.022	4 E	1.8	3.2 E	1.4	2.3
PCB-171			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-171/173			--	--	--	--	--	--	--	--	--	0.55	0.16	--	--	--	--	0.12	0.68	0.65	0.41	7.4	0.79	< 0.043 U	< 0.042 U	1.3	0.54	0.92	0.42	0.68
PCB-172			--	--	--	--	--	--	--	--	--	0.26	0.082	--	--	--	--	0.054	0.36	0.33	0.2	3.7	0.35	< 0.022 U	< 0.021 U	0.63	0.26	0.45	0.21	0.33
PCB-174			--	--	--	--	--	--	--	--	--	1.3	0.46	--	--	--	--	0.3	1.9	1.8	1	18	1.8	0.1	< 0.021 U	3.7 E	1.5	2.3 E	1.1	1.8
PCB-175			--	--	--	--	--	--	--	--	--	0.049	< 0.022 U	--	--	--	--	< 0.023 U	0.065	0.064	0.043	0.76	0.077	< 0.022 U	< 0.021 U	0.15	0.056	0.088	0.042	0.069
PCB-176			--	--	--	--	--	--	--	--	--	0.1	0.037	--	--	--	--	0.026	0.12	0.12	0.1	1.7	0.17	< 0.022 U	< 0.021 U	0.38	0.15	0.2	0.095	0.16
PCB-177			--	--	--	--	--	--	--	--	--	0.76	0.24	--	--	--	--	0.19	1	0.95	0.6	10	1.1	0.063	< 0.021 U	2.1	0.81	1.4	0.64	1
PCB-178			--	--	--	--	--	--	--	--	--	0.15	0.07	--	--	--	--	0.052	0.26	0.25	0.15	2.5	0.26	< 0.022 U	< 0.021 U	0.52	0.2	0.32	0.15	0.25
PCB-179			--	--	--	--	--	--	--	--	--	0.27	0.13	--	--	--	--	0.087	0.5	0.46	0.29	4.6	0.51	< 0.022 U	< 0.021 U	1.1	0.43	0.6	0.29	0.47
PCB-18			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-18/30			--	--	--	--	--	--	--	--	--	< 0.048 U	< 0.044 U	--	--	--	--	< 0.047 U	< 0.048 U	< 0.048 U	< 0.051 U	< 0.45 U	< 0.046 U	< 0.043 U	< 0.042 U	0.11	< 0.045 U	< 0.045 U	< 0.05 U	< 0.045 U
PCB-180			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-180/193			--	--	--	--	--	--	--	--	--	2.8	0.87	--	--	--	--	0.57	4	3.8	2.1	36	3.8	0.25	< 0.042 U	6.8 E	2.9	4.8 E	2.2	3.6
PCB-181			--	--	--	--	--	--	--	--	--	0.037	< 0.022 U	--	--	--	--	< 0.023 U	0.041	0.042	0.027	0.47	0.053	< 0.022 U	< 0.021 U	0.075	0.03	0.058	0.025	0.04
PCB-182			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-183			--	--	--	--	--	--	--	--	--	0.67	0.21	--	--	--	--	0.16	0.84	0.8	0.5	8.4	0.88	0.026	< 0.021 U	1.6	0.68	1	0.53	0.92
PCB-184			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-185			--	--	--	--	--	--	--	--	--	0.07	0.037	--	--	--	--	< 0.023 U	0.082	0.1	0.069	1.6	0.15	< 0.022 U	< 0.021 U	0.37	0.13	0.22	0.093	0.11
PCB-186			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-187			--	--	--	--	--	--	--	--	--	0.93	0.41	--	--	--	--	0.3	1.6	1.4	0.89	14	1.4	0.084	< 0.021 U	3 E	1.2	1.9	0.93	1.5
PCB-188			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-188L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-189			--	--	--	--	--	--	--	--	--	0.08	0.022	--	--	--	--	0.013	0.096	0.097	0.061	1.1	0.12	0.0029	< 0.0021 U	0.16	0.073	0.16	0.063	0.098
PCB-189L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-19			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-190			--	--	--	--	--	--	--	--	--	0.34	0.1	--	--	--	--	0.057	0.45	0.42	0.24	3.9	0.41	< 0.022 U	< 0.021 U	0.72	0.32	0.58	0.24	0.37
PCB-191			--	--	--	--	--	--	--	--	--	0.079	< 0.022 U	--	--	--	--	< 0.023 U	0.097	0.093	0.052	1	0.083	< 0.022 U	< 0.021 U	0.16	0.072	0.13	0.061	0.093
PCB-192			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-108	SB-108	SB-109	SB-109	SB-109	SB-110	SB-111	SB-113	SB-114	SB-116	SB-117	SB-118	SB-119	SB-120	SB-120	SB-122	SB-123	SB-123	SB-124	SB-126	SB-128	SB-129	SB-129	SB-130	SB-131	SB-132	SB-133	SB-134
Sample ID			SB-108 (0-1)	SB-108 (1-3)	SB-109 (0-1)	SB-109 (1-3)	DUP-02 (0-1)	SB-110 (0-1)	SB-111 (0-1)	SB-113 (0-1)	SB-114 (0-1)	SB-116 (0-1)	SB-117 (0-1)	SB-118 (0-1)	SB-119 (0-1)	SB-120 (0-1)	SB-120 (1-3)	SB-122 (0-1)	SB-123 (0-1)	SB-123 (1-3)	SB-124 (0-1)	SB-126 (0-1)	SB-128 (0-1)	SB-129 (0-1)	SB-129 (1-3)	SB-130 (0-1)	SB-131 (0-1)	SB-132 (0-1)	SB-133 (0-1)	SB-134 (0-1)
Sample Date			08/19/2014	08/19/2014	08/20/2014	08/20/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/19/2014	08/19/2014
Sample Type			N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PCB-194			--	--	--	--	--	--	--	--	--	0.32	0.15	--	--	--	--	0.061	0.67	0.61	0.3	6.5	0.41	0.061	< 0.021 U	0.75	0.4	0.65	0.3	0.53
PCB-195			--	--	--	--	--	--	--	--	--	0.11	0.046	--	--	--	--	0.023	0.21	0.18	0.094	1.9	0.14	< 0.022 U	< 0.021 U	0.3	0.13	0.23	0.11	0.18
PCB-196			--	--	--	--	--	--	--	--	--	0.16	0.079	--	--	--	--	0.035	0.36	0.32	0.15	3.4	0.21	0.024	< 0.021 U	0.52	0.21	0.36	0.17	0.31
PCB-197			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	0.033	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-198			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-198/199			--	--	--	--	--	--	--	--	--	0.3	0.19	--	--	--	--	0.084	0.75	0.63	0.31	6.9	0.46	0.073	< 0.042 U	1.1	0.4	0.79	0.4	0.69
PCB-19L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-1L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-2			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	0.88	3.5 E	< 0.022 U	0.039	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-20			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-20/28			--	--	--	--	--	--	--	--	--	< 0.048 U	< 0.044 U	--	--	--	--	< 0.047 U	< 0.048 U	< 0.048 U	< 0.051 U	< 0.45 U	0.071	< 0.043 U	< 0.042 U	0.044	0.059	< 0.045 U	< 0.05 U	0.087
PCB-200			--	--	--	--	--	--	--	--	--	0.035	0.024	--	--	--	--	< 0.023 U	0.1	0.086	0.041	0.89	0.053	< 0.022 U	< 0.021 U	0.16	0.06	0.1	0.044	0.079
PCB-201			--	--	--	--	--	--	--	--	--	0.032	0.022	--	--	--	--	< 0.023 U	0.085	0.07	0.036	0.74	0.05	< 0.022 U	< 0.021 U	0.14	0.05	0.087	0.041	0.077
PCB-202			--	--	--	--	--	--	--	--	--	0.041	0.045	--	--	--	--	< 0.023 U	0.13	0.12	0.059	1.1	0.064	< 0.022 U	< 0.021 U	0.16	0.067	0.13	0.062	0.11
PCB-202L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-203			--	--	--	--	--	--	--	--	--	0.2	0.12	--	--	--	--	0.049	0.5	0.43	0.21	4.5	0.26	0.042	< 0.021 U	0.64	0.25	0.5	0.25	0.44
PCB-204			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-205			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	0.039	0.036	< 0.025 U	0.39	0.026	< 0.022 U	< 0.021 U	0.047	0.024	0.044	< 0.025 U	0.034
PCB-205L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-206			--	--	--	--	--	--	--	--	--	0.13	0.075	--	--	--	--	0.044	0.37	0.27	0.16	3.7	0.17	0.087	< 0.021 U	0.31	0.11	0.4	0.25	0.41
PCB-206L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-207			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	0.044	0.032	< 0.025 U	0.37	< 0.023 U	< 0.022 U	< 0.021 U	0.039	< 0.023 U	0.046	0.026	0.047
PCB-208			--	--	--	--	--	--	--	--	--	0.027	0.024	--	--	--	--	< 0.023 U	0.08	0.06	0.046	0.77	0.042	0.037	< 0.021 U	0.076	0.024	0.1	0.076	0.11
PCB-208L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-209L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-21			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-21/33			--	--	--	--	--	--	--	--	--	< 0.048 U	< 0.044 U	--	--	--	--	< 0.047 U	< 0.048 U	< 0.048 U	< 0.051 U	< 0.45 U	< 0.046 U	< 0.043 U	< 0.042 U	< 0.043 U	0.1	< 0.045 U	< 0.05 U	0.054
PCB-22			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	0.023	< 0.022 U	< 0.021 U	0.058	< 0.023 U	< 0.023 U	< 0.025 U	0.033
PCB-23			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-24			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-25			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-26			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-26/29			--	--	--	--	--	--	--	--	--	< 0.048 U	< 0.044 U	--	--	--	--	< 0.047 U	< 0.048 U	< 0.048 U	< 0.051 U	< 0.45 U	< 0.046 U	< 0.043 U	< 0.042 U	< 0.043 U	< 0.045 U	< 0.045 U	< 0.05 U	< 0.045 U
PCB-27			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-3			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	0.26	0.77	< 0.022 U	0.031	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-31			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	0.025	< 0.025 U	0.5	0.15	< 0.022 U	< 0.021 U	< 0.022 U	0.084	< 0.023 U	0.026	0.098
PCB-32			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	0.03	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-34			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-35			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	0.023	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-36			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	0.026	< 0.022 U	< 0.021 U	0.039	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-37			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	0.12	< 0.022 U	< 0.021 U	< 0.037 U	0.029	< 0.023 U	< 0.025 U	0.038
PCB-37L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-38			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-39			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	0.094	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-3L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-4			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.027 U	< 0.025 U	< 0.23 U	0.033	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-40			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-40/71			--	--	--	--	--	--	--	--	--	< 0.048 U	< 0.044 U	--	--	--	--	< 0.047 U	0.056	0.056	0.06	1.2	0.34	< 0.043 U	< 0.042 U	< 0.043 U	0.27	0.15	0.065	0.15
PCB-41			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-42			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	0.024	0.026	< 0.025 U	0.42	0.15	< 0.022 U	< 0.021 U	0.12	0.11	0.048	0.03	0.076
PCB-43			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	0.023	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-44			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65			--	--	--	--	--	--	--	--	--	0.17	0.23	--	--	--	--	0.15	0.34	0.38	0.41	7.5	2.4	< 0.065 U	< 0.064 U	1.6	1.5	0.75	0.41	1.1
PCB-45			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	0.041	0.023	< 0.025 U	< 0.023 U
PCB-46			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-48			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	0.25	0.079	< 0.022 U	< 0.021 U	0.082	0.061	< 0.023 U	< 0.025 U	0.04
PCB-49			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-49/69			--	--	--	--	--	--	--	--	--	0.08	0.15	--	--	--	--	0.082	0.18	0.2	0.22	3.2	1.2	< 0.043 U	< 0.042 U	0.81	0.7	0.27	0.2	0.52
PCB-4L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-5			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-50			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-50/53			--	--	--	--	--	--	--	--	--	< 0.048 U	< 0.044 U	--	--	--	--	< 0.047 U	< 0.048 U	< 0.048 U	< 0.051 U	< 0.45 U	0.098	< 0.043 U	< 0.042 U	< 0.043 U	0.081	0.063	< 0.05 U	0.058
PCB-51			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-52			--	--	--	--	--	--	--	--	--	0.6	0.85	--	--	--	--	0.55	1.4	1.5	1.5	24 E	7.1 E	< 0.022 U	< 0.021 U	5.2 E	4.2 E	3.1 E	1.3	3.5 E
PCB-54			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-54L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-55			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.025 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-56			--	--	--	--	--	--	--	--	--	0.082	0.066	--	--	--	--	0.044	0.13	0.18	0.15	2	0.74 G	< 0.022 U	< 0.021 U	0.42	0.44	0.2	0.12	0.26
PCB-57			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.028 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	0.1	0.2
PCB-58			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	0.025	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	0.18 G	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-59			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75			--	--	--	--	--	--	--	--	--	< 0.072 U	< 0.066 U	--	--	--	--	< 0.07 U	< 0.072 U	< 0.072 U	< 0.076 U	< 0.68 U	< 0.069 U	< 0.065 U	< 0.064 U	< 0.065 U	< 0.068 U	< 0.068 U	< 0.075 U	< 0.068 U
PCB-6			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-60			--	--	--	--	--	--	--	--	--	< 0.024 U	0.022	--	--	--	--	< 0.023 U	0.039	0.037	0.051	0.65	0.27 G	< 0.022 U	< 0.021 U	0.16	0.18	0.064	0.044	0.094
PCB-61			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76			--	--	--	--	--	--	--	--	--	0.64	0.62	--	--	--	--	0.56	1.6	2	1.4	20	7.9	< 0.087 U	< 0.085 U	2.8	4	1.7	1.1	2.8
PCB-63			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.026 U	< 0.022 U	< 0.021 U	0.03	0.036	< 0.023 U	< 0.025 U	< 0.023 U
PCB-64			--	--	--	--	--	--	--	--	--	0.064	0.052	--	--	--	--	0.052	0.14	0.12	0.17	2.3	0.65	< 0.022 U	< 0.021 U	< 0.022 U	0.49	0.38	0.15	0.31
PCB-66			--	--	--	--	--	--	--	--	--	0.13	0.2	--	--	--	--	0.15	0.4	0.5	0.4	5	2.2 G	< 0.022 U	< 0.021 U	1.1	1.2	0.47	0.32	0.68
PCB-67			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.025 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-68			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.025 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-7			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-72			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.026 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-73			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-77			--	--	--	--	--	--	--	--	--	0.052 G	0.066 G	--	--	--	--	0.045 G	0.13 G	0.13 G	0.074 G	2.6 G	1.6 G	< 0.0022 U	< 0.0021 U	0.27 G	0.13 G	0.076 G	0.055 G	0.09 G
PCB-77L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-78			--	--	--	--	--	--	--	--	--	0.027	< 0.022 U	--	--	--	--	< 0.023 U	0.041	0.043	0.044	< 0.23 U	0.055 G	< 0.022 U	< 0.021 U	0.084	< 0.023 U	< 0.023 U	0.028	0.043
PCB-79			--	--	--	--	--	--	--	--	--	0.046	< 0.022 U	--	--	--	--	0.024	< 0.024 U	< 0.024 U	< 0.025 U	1.1	0.23 G	< 0.022 U	< 0.021 U	0.26	0.2	0.16	0.069	0.15
PCB-8			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	0.025
PCB-80			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.025 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-81			--	--	--	--	--	--	--	--	--	< 0.0089 U	< 0.0035 U	--	--	--	--	< 0.0034 U	< 0.011 U	< 0.012 U	< 0.0087 U	< 0.12 U	< 0.033 U	< 0.0022 U	< 0.0021 U	0.055 G	< 0.015 U	< 0.0077 U	< 0.0073 U	< 0.02 U
PCB-81L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-82			--	--	--	--	--	--	--	--	--	0.36 G	0.28 G	--	--	--	--	0.14 G	0.65 G	0.95 G	0.59 G	8.6 G	1.9 G	< 0.022 U	< 0.021 U	1.5 G	1.3 G	1.4 G	0.53 G	1.1 G
PCB-83			--	--	--	--	--	--	--	--	--	0.099 G	< 0.059 U	--	--	--	--	< 0.034 U	0.2	0.28 G	0.18 G	4 G	0.77 G	< 0.022 U	< 0.021 U	0.65 G	0.32 G	0.47 G	0.2 G	0.38 G

Location ID Sample ID Sample Date Sample Type	Type 1/2 RRS	Type 3/4 RRS	SB-108 SB-108 (0-1) 08/19/2014 N	SB-108 SB-108 (1-3) 08/19/2014 N	SB-109 SB-109 (0-1) 08/20/2014 N	SB-109 SB-109 (1-3) 08/20/2014 N	SB-109 DUP-02 (0-1) 08/20/2014 FD	SB-110 SB-110 (0-1) 08/20/2014 N	SB-111 SB-111 (0-1) 08/21/2014 N	SB-113 SB-113 (0-1) 08/21/2014 N	SB-114 SB-114 (0-1) 08/20/2014 N	SB-116 SB-116 (0-1) 08/21/2014 N	SB-117 SB-117 (0-1) 08/20/2014 N	SB-118 SB-118 (0-1) 08/20/2014 N	SB-119 SB-119 (0-1) 08/21/2014 N	SB-120 SB-120 (0-1) 08/20/2014 N	SB-120 SB-120 (1-3) 08/20/2014 N	SB-122 SB-122 (0-1) 08/20/2014 N	SB-123 SB-123 (0-1) 08/19/2014 N	SB-123 SB-123 (1-3) 08/19/2014 N	SB-124 SB-124 (0-1) 08/19/2014 N	SB-126 SB-126 (0-1) 08/21/2014 N	SB-128 SB-128 (0-1) 08/21/2014 N	SB-129 SB-129 (0-1) 08/21/2014 N	SB-129 SB-129 (1-3) 08/21/2014 N	SB-130 SB-130 (0-1) 08/21/2014 N	SB-131 SB-131 (0-1) 08/21/2014 N	SB-132 SB-132 (0-1) 08/21/2014 N	SB-133 SB-133 (0-1) 08/19/2014 N	SB-134 SB-134 (0-1) 08/19/2014 N
PCB-84			--	--	--	--	--	--	--	--	--	0.6 G	0.5 G	--	--	--	--	0.34 G	0.84 G	0.91 G	1 G	22 G	3.7 E	< 0.022 U	< 0.021 U	2.6 E	2.7 E	3.1 E	1.1 G	2.2 G
PCB-85			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117			--	--	--	--	--	--	--	--	--	0.77	0.5	--	--	--	--	0.33	1.2 G	1.2 G	1.4 G	11 G	2.8 G	< 0.065 U	< 0.064 U	2.6 G	1.8 G	1.9 G	0.87	1.4 G
PCB-86			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125			--	--	--	--	--	--	--	--	--	1.8	1.7	--	--	--	--	1	4	4.6	3.6	49	10	< 0.13 U	< 0.13 U	11 G	7.4	7	2.9	6.1
PCB-88			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-88/91			--	--	--	--	--	--	--	--	--	0.38 G	0.27 G	--	--	--	--	0.16	0.37 G	0.35 G	0.61 G	11 G	1.7 G	< 0.043 U	< 0.042 U	1.7 G	1.3 G	1.4 G	0.59 G	1.1 G
PCB-89			--	--	--	--	--	--	--	--	--	< 0.064 U	< 0.051 U	--	--	--	--	< 0.029 U	< 0.13 U	< 0.12 U	< 0.11 U	< 1.5 U	< 0.18 U	< 0.022 U	< 0.021 U	< 0.21 U	< 0.15 U	< 0.15 U	< 0.075 U	< 0.15 U
PCB-9			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	< 0.23 U	< 0.023 U	< 0.022 U	< 0.021 U	< 0.022 U	< 0.023 U	< 0.023 U	< 0.025 U	< 0.023 U
PCB-90			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113			--	--	--	--	--	--	--	--	--	2.5	2.7	--	--	--	--	1.5	5.9 G	7.2 G	5.3 G	69 E	14 E	< 0.065 U	< 0.064 U	15 E	10 E	9.7 E	4.3	8.9 G
PCB-92			--	--	--	--	--	--	--	--	--	0.5 G	0.51 G	--	--	--	--	0.29 G	1.4 G	1.6 G	1.2 G	14 G	2.4 E	< 0.022 U	< 0.021 U	1.9 G	2 G	2.2 G	0.92 G	1.7 G
PCB-93			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-93/100			--	--	--	--	--	--	--	--	--	< 0.057 U	< 0.046 U	--	--	--	--	< 0.047 U	< 0.12 U	< 0.11 U	< 0.095 U	< 1.4 U	< 0.16 U	< 0.043 U	< 0.042 U	< 0.19 U	< 0.13 U	< 0.13 U	< 0.067 U	< 0.14 U
PCB-94			--	--	--	--	--	--	--	--	--	< 0.061 U	< 0.048 U	--	--	--	--	< 0.028 U	< 0.13 U	< 0.11 U	< 0.1 U	< 1.4 U	< 0.17 U	< 0.022 U	< 0.021 U	< 0.2 U	< 0.14 U	< 0.14 U	< 0.071 U	< 0.15 U
PCB-95			--	--	--	--	--	--	--	--	--	1.8 G	1.8 G	--	--	--	--	1 G	3.4 E	3.3 E	3.7 E	63 E	8.1 E	0.033	0.031	5.5 E	7.8 E	8 E	3.2 G	6.2 G
PCB-96			--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.022 U	--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.025 U	0.33	0.053	< 0.022 U	< 0.021 U	0.067	0.042	0.036	< 0.025 U	0.03
PCB-98			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-98/102			--	--	--	--	--	--	--	--	--	< 0.053 U	< 0.044 U	--	--	--	--	< 0.047 U	< 0.11 U	< 0.096 U	< 0.087 U	1.3 G	< 0.15 U	< 0.043 U	< 0.042 U	< 0.17 U	0.17 G	0.18 G	< 0.063 U	< 0.13 U
PCB-99			--	--	--	--	--	--	--	--	--	1.7 G	1.3 G	--	--	--	--	0.74 G	2.1 G	2.3 G	3.2 E	27 E	6.6 E	< 0.022 U	< 0.021 U	6.6 E	4.6 E	4.4 E	2.2 G	4.2 G
Polychlorinated biphenyls	**1550**	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																														
1,1-Biphenyl	**1000**	1000	< 860 U	< 870 U	< 870 U	< 8600 U	< 18000 U	< 17000 U	< 8000 U	< 890 U	< 8200 U	< 890 U	< 850 U	--	--	< 790 U	< 810 U	--	< 910 U	< 890 U	< 19000 U	**140000**	**4400000**	< 8200 U	< 8000 U	< 8100 U	< 8400 U	< 8600 U	< 19000 U	< 17000 U
1,2,4,5-Tetrachlorobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
1,2,4-Trichlorobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
1,2-Dichlorobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
1,3,5-Trinitrobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
1,3-Dichlorobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
1,3-Dinitrobenzene	1050	1050	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
1,4-Dichlorobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
1,4-Dioxane	7000	7000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
1,4-Naphthoquinone			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
1-Naphthylamine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2,2-Oxybis(1-Chloropropane)			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2,3,4,6-Tetrachlorophenol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2,4,5-Trichlorophenol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2,4,6-Trichlorophenol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2,4-Dichlorophenol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2,4-Dimethylphenol	70000	70000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2,4-Dinitrophenol			< 2000 U	< 2000 U	< 2000 U	< 20000 U	--	< 38000 U	< 18000 U	< 2000 U	< 19000 U	< 2000 U	< 2000 U	--	--	--	--	--	--	--	--	< 200000 U	< 2000000 U	< 19000 U	< 18000 U	< 19000 U	< 19000 U	< 20000 U	< 43000 U	< 39000 U
2,4-Dinitrotoluene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2,6-Dichlorophenol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2,6-Dinitrotoluene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2-Acetylaminofluorene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2-Chloronaphthalene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2-Chlorophenol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2-Methyl-4,6-dinitrophenol			< 2000 U	< 2000 U	< 2000 U	< 20000 U	--	< 38000 U	< 18000 U	< 2000 U	< 19000 U	< 2000 U	< 2000 U	--	--	--	--	--	--	--	--	< 200000 U	< 2000000 U	< 19000 U	< 18000 U	< 19000 U	< 19000 U	< 20000 U	< 43000 U	< 39000 U
2-Methylnaphthalene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2-Methylphenol	3800	4100	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2-Naphthylamine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2-Nitroaniline			< 2000 U	< 2000 U	< 2000 U	< 20000 U	--	< 38000 U	< 18000 U	< 2000 U	< 19000 U	< 2000 U	< 2000 U	--	--	--	--	--	--	--	--	< 200000 U	< 2000000 U	< 19000 U	< 18000 U	< 19000 U	< 19000 U	< 20000 U	< 43000 U	< 39000 U
2-Nitrophenol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
2-Picoline			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
3,3-Dichlorobenzidine			< 770 U	< 780 U	< 770 U	< 7700 U	--	< 15000 U	< 7200 U	< 800 U	< 7300 U	< 790 U	< 760 U	--	--	--	--	--	--	--	--	< 76000 U	< 760000 U	< 7300 U	< 7100 U	< 7200 U	< 7500 U	< 7600 U	< 17000 U	< 15000 U
3,3-Dimethylbenzidine			< 2000 U	< 2000 U	< 2000 U	< 20000 U	--	< 38000 U	< 18000 U	< 2000 U	< 19000 U	< 2000 U	< 2000 U	--	--	--	--	--	--	--	--	< 200000 U	< 2000000 U	< 19000 U	< 18000 U	< 19000 U	< 19000 U	< 20000 U	< 43000 U	< 39000 U
3-Methylchloranthrene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
3-Nitroaniline			< 2000 U	< 2000 U	< 2000 U	< 20000 U	--	< 38000 U	< 18000 U	< 2000 U	< 19000 U	< 2000 U	< 2000 U	--	--	--	--	--	--	--	--	< 200000 U	< 2000000 U	< 19000 U	< 18000 U	< 19000 U	< 19000 U	< 20000 U	< 43000 U	< 39000 U
4-Aminobiphenyl			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
4-Bromophenyl phenyl ether			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
4-Chloro-3-Methylphenol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
4-Chlorophenyl phenyl ether			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
4-Dimethylaminoazobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
4-Methylphenol	3800	8000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
4-Nitroaniline			< 2000 U	< 2000 U	< 2000 U	< 20000 U	--	< 38000 U	< 18000 U	< 2000 U	< 19000 U	< 2000 U	< 2000 U	--	--	--	--	--	--	--	--	< 200000 U	< 2000000 U	< 19000 U	< 18000 U	< 19000 U	< 19000 U	< 20000 U	< 43000 U	< 39000 U
4-Nitrophenol			< 2000 U	< 2000 U	< 2000 U	< 20000 U	--	< 38000 U	< 18000 U	< 2000 U	< 19000 U	< 2000 U	< 2000 U	--	--	--	--	--	--	--	--	< 200000 U	< 2000000 U	< 19000 U	< 18000 U	< 19000 U	< 19000 U	< 20000 U	< 43000 U	< 39000 U
4-Nitroquinoline-N-Oxide			< 3800 U	< 3900 U	< 3900 U	< 39000 U	--	< 74000 U	< 36000 U	< 4000 U	< 37000 U	< 4000 U	< 3800 U	--	--	--	--	--	--	--	--	< 380000 U	< 3800000 U	< 37000 U	< 36000 U	< 36000 U	< 38000 U	< 38000 U	< 83000 U	< 76000 U
5-Nitro-o-Toluidine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
7,12-Dimethylbenz(a)anthracene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Acenaphthene	300000	300000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Acenaphthylene	130000	130000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Acetophenone	400000	400000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Aniline	2000	2000	< 770 U	< 780 U	< 770 U	< 7700 U	--	< 15000 U	< 7200 U	< 800 U	< 7300 U	< 790 U	< 760 U	--	--	--	--	--	--	--	--	< 76000 U	< 760000 U	< 7300 U	< 7100 U	< 7200 U	< 7500 U	< 7600 U	< 17000 U	< 15000 U
Anthracene	500000	1009000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Aramite			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Benzo(a)anthracene	5000	5000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Benzo(a)pyrene	1640	1640	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Benzo(b)fluoranthene	5000	5000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Benzo(g,h,i)perylene	500000	500000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Benzo(k)fluoranthene	5000	46000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Benzyl Alcohol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
bis(2-Chloroethoxy)methane			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
bis(2-Chloroethyl)ether			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
bis(2-Ethylhexyl)phthalate	50000	50000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Butyl benzyl phthalate	50000	218540	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Chrysene	5000	141000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Diallate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Dibenzo(a,h)anthracene	2000	5000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Dibenzofuran	1000	1900	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Diethyl phthalate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Dimethoate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Dimethyl phthalate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Dimethylphenethylamine			< 78000 U	< 79000 U	< 78000 U	< 780000 U	--	< 1500000 U	< 730000 U	< 81000 U	< 750000 U	< 81000 U	< 77000 U	--	--	--	--	--	--	--	--	< 7800000 U	< 77000000 U	< 740000 U	< 720000 U	< 730000 U	< 760000 U	< 770000 U	< 1700000 U	< 1500000 U
Di-n-butyl phthalate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Di-n-octyl phthalate	70000	70000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U

Appendix G-1
Historical Soil Data 2014 through 2015
Compliance Status Report
Hercules Inc. - Savannah, GA

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-108	SB-108	SB-109	SB-109	SB-109	SB-110	SB-111	SB-113	SB-114	SB-116	SB-117	SB-118	SB-119	SB-120	SB-120	SB-122	SB-123	SB-123	SB-124	SB-126	SB-128	SB-129	SB-129	SB-130	SB-131	SB-132	SB-133	SB-134
Sample ID			SB-108 (0-1)	SB-108 (1-3)	SB-109 (0-1)	SB-109 (1-3)	DUP-02 (0-1)	SB-110 (0-1)	SB-111 (0-1)	SB-113 (0-1)	SB-114 (0-1)	SB-116 (0-1)	SB-117 (0-1)	SB-118 (0-1)	SB-119 (0-1)	SB-120 (0-1)	SB-120 (1-3)	SB-122 (0-1)	SB-123 (0-1)	SB-123 (1-3)	SB-124 (0-1)	SB-126 (0-1)	SB-128 (0-1)	SB-129 (0-1)	SB-129 (1-3)	SB-130 (0-1)	SB-131 (0-1)	SB-132 (0-1)	SB-133 (0-1)	SB-134 (0-1)
Sample Date			08/19/2014	08/19/2014	08/20/2014	08/20/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/19/2014	08/19/2014
Sample Type			N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Dinoseb			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Disulfoton			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Ethyl Methanesulfonate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Famphur			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Fluoranthene	500000	500000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Fluorene	360000	360000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Formaldehyde	100000	100000	--	--	--	--	--	--	110	920	360	--	--	--	--	140	140	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Hexachlorobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Hexachlorocyclopentadiene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Hexachloroethane			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Hexachlorophene			< 200000 U	< 200000 U	< 200000 U	< 2000000 U	--	< 3800000 U	< 1800000 U	< 200000 U	< 1900000 U	< 200000 U	< 200000 U	--	--	--	--	--	--	--	--	< 20000000 U	< 200000000 U	< 1900000 U	< 1800000 U	< 1900000 U	< 1900000 U	< 2000000 U	< 4300000 U	< 3900000 U
Hexachloropropene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Indeno(1,2,3-cd)pyrene	5000	15000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Isophorone			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Isosafrole			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Methapyrilene			< 78000 U	< 79000 U	< 78000 U	< 780000 U	--	< 1500000 U	< 730000 U	< 81000 U	< 750000 U	< 81000 U	< 77000 U	--	--	--	--	--	--	--	--	< 7800000 U	< 77000000 U	< 740000 U	< 720000 U	< 730000 U	< 760000 U	< 770000 U	< 1700000 U	< 1500000 U
Methyl methanesulfonate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Methyl parathion			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Naphthalene	100000	100000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Nitrobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
N-Nitrosodiethylamine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
N-Nitrosodimethylamine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
N-Nitrosodi-n-butylamine	1000	1000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
N-Nitrosodi-n-propylamine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
N-Nitrosodiphenylamine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
N-Nitrosomorpholine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
N-Nitroso-N-methylethylamine	680	1000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
N-Nitrosopiperidine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
N-Nitrosopyrrolidine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
o,o,o-Triethyl phosphorothioate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
o,o-Diethyl o-pyrazinyl phosphorothioate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
o-Toluidine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Parathion	20000	20000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
p-Chloroaniline			< 770 U	< 780 U	< 770 U	< 7700 U	--	< 15000 U	< 7200 U	< 800 U	< 7300 U	< 790 U	< 760 U	--	--	--	--	--	--	--	--	< 76000 U	< 760000 U	< 7300 U	< 7100 U	< 7200 U	< 7500 U	< 7600 U	< 17000 U	< 15000 U
Pentachlorobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Pentachloronitrobenzene			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Pentachlorophenol			< 2000 U	< 2000 U	< 2000 U	< 20000 U	--	< 38000 U	< 18000 U	< 2000 U	< 19000 U	< 2000 U	< 2000 U	--	--	--	--	--	--	--	--	< 200000 U	< 2000000 U	< 19000 U	< 18000 U	< 19000 U	< 19000 U	< 20000 U	< 43000 U	< 39000 U
Phenacetin			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Phenanthrene	110000	110000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Phenol			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Phorate			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
p-Phenylenediamine			< 2000 U	< 2000 U	< 2000 U	< 20000 U	--	< 38000 U	< 18000 U	< 2000 U	< 19000 U	< 2000 U	< 2000 U	--	--	--	--	--	--	--	--	< 200000 U	< 2000000 U	< 19000 U	< 18000 U	< 19000 U	< 19000 U	< 20000 U	< 43000 U	< 39000 U
Propyzamide			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Pyrene	500000	500000	< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Pyridine			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Safrole			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Sulfotep			< 380 U	< 390 U	< 390 U	< 3900 U	--	< 7400 U	< 3600 U	< 400 U	< 3700 U	< 400 U	< 380 U	--	--	--	--	--	--	--	--	< 38000 U	< 380000 U	< 3700 U	< 3600 U	< 3600 U	< 3800 U	< 3800 U	< 8300 U	< 7600 U
Volatile Organic Compounds (µg/kg)																														
1,1,1,2-Tetrachloroethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,1,1-Trichloroethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,1,2,2-Tetrachloroethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,1,2-Trichloroethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,1-Dichloroethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,1-Dichloroethene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,2,3-Trichloropropane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,2,4-Trichlorobenzene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,2-Dibromo-3-chloropropane			< 11 U	< 11 U	< 9.8 U	< 11 U	--	< 9.0 U	< 5.8 U	< 9.0 U	< 9.7 U	< 8.2 U	< 9.8 U	--	--	--	--	--	--	--	--	< 3900 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.3 U	< 9.3 U	< 12 U	< 8.7 U
1,2-Dibromoethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,2-Dichlorobenzene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,2-Dichloroethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,2-Dichloropropane	500	500	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,3-Dichlorobenzene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,4-Dichlorobenzene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
1,4-Dioxane	7000	7000	< 54 U	< 56 U	< 49 U	< 55 U	--	< 45 U	< 29 U	< 45 U	< 49 U	< 41 U	< 49 U	--	--	--	--	--	--	--	--	< 20000 U	< 52 U	< 50 U	< 51 U	< 51 U	< 46 U	< 46 U	< 58 U	< 44 U
2-Butanone (MEK)	200000	200000	< 27 U	< 28 U	< 24 U	< 28 U	--	< 22 U	< 14 U	< 23 U	< 24 U	< 21 U	< 25 U	--	--	--	--	--	--	--	--	< 9800 U	< 26 U	< 25 U	< 25 U	< 26 U	< 23 U	< 23 U	< 29 U	< 22 U
2-Chlor-1,3-Butadiene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
2-Methyl-1-propanol	1000000	1000000	< 220 U	< 220 U	< 200 U	< 220 U	--	< 180 U	< 120 U	< 180 U	< 190 U	< 160 U	< 200 U	--	--	--	--	--	--	--	--	< 79000 U	< 210 U	< 200 U	< 200 U	< 200 U	< 190 U	< 190 U	< 230 U	< 170 U
4-Methyl-2-Pentanone	200000	200000	< 27 U	< 28 U	< 24 U	< 28 U	--	< 22 U	< 14 U	< 23 U	< 24 U	< 21 U	< 25 U	--	--	--	--	--	--	--	--	< 9800 U	< 26 U	< 25 U	< 25 U	< 26 U	< 23 U	< 23 U	< 29 U	< 22 U
Acetone	400000	400000	< 54 U	< 56 U	< 49 U	< 55 U	--	95	< 29 U	83	< 49 U	< 41 U	< 49 U	--	--	--	--	--	--	--	--	< 20000 U	< 52 U	< 50 U	< 51 U	260	110	< 46 U	< 58 U	< 44 U
Acetonitrile	20000	20000	< 220 U	< 220 U	< 200 U	< 220 U	--	< 180 U	< 120 U	< 180 U	< 190 U	< 160 U	< 200 U	--	--	--	--	--	--	--	--	< 79000 U	< 210 U	< 200 U	< 200 U	< 200 U	< 190 U	< 190 U	< 230 U	< 170 U
Acrolein	100	100	< 110 U	< 110 U	< 98 U	< 110 U	--	< 90 U	< 58 U	< 90 U	< 97 U	< 82 U	< 98 U	--	--	--	--	--	--	--	--	< 39000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 93 U	< 93 U	< 120 U	< 87 U
Acrylonitrile			< 110 U	< 110 U	< 98 U	< 110 U	--	< 90 U	< 58 U	< 90 U	< 97 U	< 82 U	< 98 U	--	--	--	--	--	--	--	--	< 39000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 93 U	< 93 U	< 120 U	< 87 U
Allyl chloride			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Benzene	500	500	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	< 4.1 U	< 4.5 U	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Bromodichloromethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Bromoform			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Bromomethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Carbon Disulfide	400000	400000	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Carbon Tetrachloride			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
CFC-11 (Trichlorofluoromethane)			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
CFC-12 (Dichlorodifluoromethane)			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Chlorobenzene	10000	10000	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Chlorodibromomethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Chloroethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Chloroform			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Chloromethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
cis-1,3-Dichloropropene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Dibromomethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Dichloromethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Ethyl Methacrylate	300000	300000	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Ethylbenzene	70000	70000	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Hexachloro-1,3-butadiene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Iodomethane			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-108	SB-108	SB-109	SB-109	SB-109	SB-110	SB-111	SB-113	SB-114	SB-116	SB-117	SB-118	SB-119	SB-120	SB-120	SB-122	SB-123	SB-123	SB-124	SB-126	SB-128	SB-129	SB-129	SB-130	SB-131	SB-132	SB-133	SB-134
Sample ID			SB-108 (0-1)	SB-108 (1-3)	SB-109 (0-1)	SB-109 (1-3)	DUP-02 (0-1)	SB-110 (0-1)	SB-111 (0-1)	SB-113 (0-1)	SB-114 (0-1)	SB-116 (0-1)	SB-117 (0-1)	SB-118 (0-1)	SB-119 (0-1)	SB-120 (0-1)	SB-120 (1-3)	SB-122 (0-1)	SB-123 (0-1)	SB-123 (1-3)	SB-124 (0-1)	SB-126 (0-1)	SB-128 (0-1)	SB-129 (0-1)	SB-129 (1-3)	SB-130 (0-1)	SB-131 (0-1)	SB-132 (0-1)	SB-133 (0-1)	SB-134 (0-1)
Sample Date			08/19/2014	08/19/2014	08/20/2014	08/20/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/20/2014	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/19/2014	08/19/2014
Sample Type			N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Methyl methacrylate			< 11 U	< 11 U	< 9.8 U	< 11 U	--	< 9.0 U	< 5.8 U	< 9.0 U	< 9.7 U	< 8.2 U	< 9.8 U	--	--	--	--	--	--	--	--	< 3900 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.3 U	< 9.3 U	< 12 U	< 8.7 U
Methyl N-Butyl Ketone (2-Hexanone)			< 27 U	< 28 U	< 24 U	< 28 U	--	< 22 U	< 14 U	< 23 U	< 24 U	< 21 U	< 25 U	--	--	--	--	--	--	--	--	< 9800 U	< 26 U	< 25 U	< 25 U	< 26 U	< 23 U	< 23 U	< 29 U	< 22 U
Methylacrylonitrile			< 110 U	< 110 U	< 98 U	< 110 U	--	< 90 U	< 58 U	< 90 U	< 97 U	< 82 U	< 98 U	--	--	--	--	--	--	--	--	< 39000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 93 U	< 93 U	< 120 U	< 87 U
Naphthalene	100000	100000	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	2600	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Pentachloroethane			< 27 U	< 28 U	< 24 U	< 28 U	--	< 22 U	< 14 U	< 23 U	< 24 U	< 21 U	< 25 U	--	--	--	--	--	--	--	--	< 9800 U	< 26 U	< 25 U	< 25 U	< 26 U	< 23 U	< 23 U	< 29 U	< 22 U
Propionitrile			< 110 U	< 110 U	< 98 U	< 110 U	--	< 90 U	< 58 U	< 90 U	< 97 U	< 82 U	< 98 U	--	--	--	--	--	--	--	--	< 39000 U	< 100 U	< 100 U	< 100 U	< 100 U	< 93 U	< 93 U	< 120 U	< 87 U
Styrene (Monomer)	14000	14000	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Tetrachloroethene	500	500	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Toluene	100000	100000	< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Total Xylenes	1000000	1000000	< 11 U	< 11 U	< 9.8 U	< 11 U	--	< 9.0 U	< 5.8 U	< 9.0 U	< 9.7 U	< 8.2 U	< 9.8 U	--	--	--	--	--	--	--	--	< 3900 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.3 U	< 9.3 U	< 12 U	< 8.7 U
trans-1,2-Dichloroethene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
trans-1,3-Dichloropropene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
trans-1,4-Dichloro-2-butene	113	140	< 11 U	< 11 U	< 9.8 U	< 11 U	--	< 9.0 U	< 5.8 U	< 9.0 U	< 9.7 U	< 8.2 U	< 9.8 U	--	--	--	--	--	--	--	--	< 3900 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.3 U	< 9.3 U	< 12 U	< 8.7 U
Trichloroethene			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U
Vinyl acetate			< 11 U	< 11 U	< 9.8 U	< 11 U	--	< 9.0 U	< 5.8 U	< 9.0 U	< 9.7 U	< 8.2 U	< 9.8 U	--	--	--	--	--	--	--	--	< 3900 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.3 U	< 9.3 U	< 12 U	< 8.7 U
Vinyl chloride			< 5.4 U	< 5.6 U	< 4.9 U	< 5.5 U	--	< 4.5 U	< 2.9 U	< 4.5 U	< 4.9 U	< 4.1 U	< 4.9 U	--	--	--	--	--	--	--	--	< 2000 U	< 5.2 U	< 5.0 U	< 5.1 U	< 5.1 U	< 4.6 U	< 4.6 U	< 5.8 U	< 4.4 U

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-135	SB-136	SB-136	SB-137	SB-138	SB-138	SB-139	SB-140	SB-140	SB-140	SB-141	SB-142	SB-142	SB-143	SB-144	SB-144	SB-145	SB-145	SB-145	SB-146	SB-148	SB-148	SB-149	SB-150	SB-151	SB-152	SB-153	SB-155
Sample ID			SB-135 (0-1)	SB-136 (0-1)	SB-136 (1-3)	SB-137 (0-1)	SB-138 (0-1)	DUP-01 (0-1)	SB-139 (0-1)	SB-140 (0-1)	SB-140 (1-3)	DUP-06 (0-1)	SB-141 (0-1)	SB-142 (0-1)	SB-142 (1-3)	SB-143 (0-1)	SB-144 (0-1)	DUP-03	SB-145 (0-1)	SB-145 (1-3)	DUP-07 (0-1)	SB-146 (0-1)	SB-148 (0-1)	DUP-04	SB-149 (0-1)	SB-150 (0-1)	SB-151 (0-1)	SB-152 (0-1)	SB-153 (0-1)	SB-155 (0-1)
Sample Date			08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/20/2014	08/20/2014	08/22/2014	08/22/2014
Sample Type			N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	N	N	N	N	N
Field Parameters																														
pH (Standard Units)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/kg)																														
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																														
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,4,6,7,8-CDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,4,6,7,8-HCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,6,7,8-HCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-123478-HxCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-2378-TCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-2,3,7,8-TCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-OCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ WHO2005 ND=0.5	**0.12**	0.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																														
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																														
Aroclor 1016			< 42 U	< 40 U	< 36 U	< 41 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221			< 42 U	< 40 U	< 36 U	< 41 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			< 42 U	< 40 U	< 36 U	< 41 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			< 42 U	< 40 U	< 36 U	< 41 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			< 42 U	< 40 U	< 36 U	< 41 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	**1550**	1550	560	290	770	**1700 E**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	< 42 U	< 40 U	< 36 U	< 41 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262			< 42 U	< 40 U	< 36 U	< 41 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268			< 42 U	< 40 U	< 36 U	< 41 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Decachlorobiphenyl			0.13	0.05	0.075	0.67	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-1			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-10			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-103			< 0.71 U	< 0.4 U	< 0.22 U	< 0.84 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-104			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-104L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105			30 G	18 G	11 G	50 E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-106			< 0.69 U	< 0.39 U	< 0.21 U	< 0.82 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-107			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-107/124			3 G	1.7 G	1.1 G	4.6 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-109			4.1 G	2.6 G	1.6 G	6.9 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-11			0.063	0.08	< 0.022 U	0.052	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-110			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-110/115			96 G	54 E	31	170 E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-111			< 0.56 U	< 0.32 U	< 0.17 U	< 0.67 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-112			< 0.54 U	< 0.31 U	< 0.17 U	< 0.64 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-114			1.5 G	0.6 G	0.34 G	2.2 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-135	SB-136	SB-136	SB-137	SB-138	SB-138	SB-139	SB-140	SB-140	SB-140	SB-141	SB-142	SB-142	SB-143	SB-144	SB-144	SB-145	SB-145	SB-145	SB-146	SB-148	SB-148	SB-149	SB-150	SB-151	SB-152	SB-153	SB-155
Sample ID			SB-135 (0-1)	SB-136 (0-1)	SB-136 (1-3)	SB-137 (0-1)	SB-138 (0-1)	DUP-01 (0-1)	SB-139 (0-1)	SB-140 (0-1)	SB-140 (1-3)	DUP-06 (0-1)	SB-141 (0-1)	SB-142 (0-1)	SB-142 (1-3)	SB-143 (0-1)	SB-144 (0-1)	DUP-03	SB-145 (0-1)	SB-145 (1-3)	DUP-07 (0-1)	SB-146 (0-1)	SB-148 (0-1)	DUP-04	SB-149 (0-1)	SB-150 (0-1)	SB-151 (0-1)	SB-152 (0-1)	SB-153 (0-1)	SB-155 (0-1)
Sample Date			08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/20/2014	08/20/2014	08/22/2014	08/22/2014
Sample Type			N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	N	N	N	N
PCB-114L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-115			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118			69 G	46 G	24 G	120 E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12/13			< 0.051 U	0.075	< 0.043 U	< 0.049 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-120			< 0.59 U	< 0.34 U	< 0.18 U	< 0.71 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-121			< 0.56 U	< 0.32 U	< 0.17 U	< 0.66 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-122			0.96 G	0.45 G	0.37 G	2 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-123			0.65 G	0.63 G	0.42 G	1.4 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-123L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126			0.95 G	0.78 G	0.53 G	1.3 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-127			< 0.68 U	< 0.39 U	< 0.21 U	< 0.82 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128/162			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128/166			16	11	6	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-129			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163			90 E	56	31	160 E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-130			6.4 G	3.8 G	2.1	11 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-131			1.4 G	0.74 G	0.66 G	2.4 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-132			30 E	16	9.3	51 E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-133			0.81 G	0.51 G	0.41 G	1.5 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-134			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-134/143			4.7 G	2.3 G	2.2 G	8.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-135			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-135/151			18	8.7	4.1 G	28	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-136			8.5	4.3	2.3	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-137			5.3	3.5	1.8	9.9 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-139			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-139/140			1.5 G	1.1 G	0.57 G	2.6 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-14			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-141			13	7.5	4.3	26 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-142			< 0.33 U	< 0.19 U	< 0.11 U	< 0.35 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-144			1.9 G	1.2 G	0.55 G	< 0.31 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-145			< 0.21 U	< 0.12 U	< 0.068 U	< 0.22 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-146			9.5	5.7	3.1	16 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-147			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-147/149			51	27	15	83	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-148			< 0.29 U	< 0.17 U	< 0.094 U	< 0.31 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-15			0.2	0.041	0.045	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-150			< 0.2 U	< 0.11 U	< 0.063 U	< 0.21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-152			< 0.2 U	< 0.12 U	< 0.065 U	< 0.21 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-153			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-153/168			52 E	31	16	91	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-154			< 0.26 U	0.29 G	0.53 G	0.73 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-155			< 0.19 U	< 0.12 U	< 0.24 U	< 0.24 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-155L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156			14 G	8.1 G	4.5	25 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156/157			14 G	8.1 G	4.5	25 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156L/157L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-158			10	6.3	3.5	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-159			0.11 G	0.044 G	< 0.032 U	< 0.15 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-15L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-16			0.6	< 0.024 U	< 0.22 U	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-160			< 0.26 U	< 0.15 U	< 0.084 U	< 0.27 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-161			< 0.23 U	< 0.13 U	< 0.073 U	< 0.24 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-162			0.27 G	0.18 G	0.12 G	0.49 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-164			5.8	3.5	2	10 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-165			< 0.26 U	< 0.15 U	< 0.084 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-167			3.8 G	2.5 G	1.5 G	7 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-167L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-169			< 0.13 U	< 0.055 U	< 0.042 U	< 0.18 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-169L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-17			0.45	0.033	< 0.22 U	0.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-170			12	6.1	3.4	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-171			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-171/173			4.1	2	1.2	5.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-172			1.8 G	0.63	0.32	2.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-174			12	4.4	2.7	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-175			0.45	0.18	0.13	0.61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-176			1.2	0.44	0.28	1.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-177			6.1	2.6	1.8	8.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-178			1.8	0.57	0.43	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-179			4.1	1.2	0.88	3.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-18			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-18/30			1	0.081	< 0.43 U	0.43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-180			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-180/193			22	8.8	5.2	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-181			0.2	0.13	0.082	0.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-182			< 0.026 U	0.025	< 0.022 U	0.091	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-183			5.9	2.3	1.5	7.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-184			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-185			0.99	0.35	0.19	0.98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-186			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-187			11	3.4	2.3	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-188			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-188L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-189			0.48 G	0.27	0.14	0.84 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-189L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-19			0.19 G	< 0.024 U	< 0.022 U	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-190			2.2	1	0.51	3.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-191			0.46	0.23	0.13	0.85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-192			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-135	SB-136	SB-136	SB-137	SB-138	SB-138	SB-139	SB-140	SB-140	SB-140	SB-141	SB-142	SB-142	SB-143	SB-144	SB-144	SB-145	SB-145	SB-145	SB-146	SB-148	SB-148	SB-149	SB-150	SB-151	SB-152	SB-153	SB-155
Sample ID			SB-135 (0-1)	SB-136 (0-1)	SB-136 (1-3)	SB-137 (0-1)	SB-138 (0-1)	DUP-01 (0-1)	SB-139 (0-1)	SB-140 (0-1)	SB-140 (1-3)	DUP-06 (0-1)	SB-141 (0-1)	SB-142 (0-1)	SB-142 (1-3)	SB-143 (0-1)	SB-144 (0-1)	DUP-03	SB-145 (0-1)	SB-145 (1-3)	DUP-07 (0-1)	SB-146 (0-1)	SB-148 (0-1)	DUP-04	SB-149 (0-1)	SB-150 (0-1)	SB-151 (0-1)	SB-152 (0-1)	SB-153 (0-1)	SB-155 (0-1)
Sample Date			08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/20/2014	08/20/2014	08/22/2014	08/22/2014
Sample Type			N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	N	N	N	N	N
PCB-194			3	0.81	0.44	3.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-195			1.2	0.32	0.16	1.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-196			2.1	0.43	0.21	1.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-197			0.11	0.029	0.025	0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-198			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-198/199			5	0.93	1	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-19L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-1L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-2			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-20			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-20/28			1.8 G	0.11	0.51	0.72	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-200			0.6	0.11	0.14	0.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-201			0.44	0.11	0.15	0.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-202			0.83	0.13	0.19	0.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-202L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-203			2.6	0.57	0.58	2.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-204			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-205			0.17	0.052	0.04	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-205L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-206			1.4	0.33	0.7	2.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-206L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-207			0.18	0.037	0.079	0.21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-208			0.33	0.072	0.16	0.64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-208L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-209L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-21			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-21/33			0.87 G	0.049	< 0.43 U	0.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-22			0.66 G	0.026	< 0.22 U	0.22 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-23			< 0.16 U	< 0.024 U	< 0.22 U	< 0.027 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-24			< 0.026 U	< 0.024 U	< 0.22 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-25			0.19 G	< 0.024 U	< 0.22 U	0.075 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-26			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-26/29			0.52 G	0.079	< 0.43 U	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-27			0.13	< 0.024 U	< 0.22 U	0.047	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-3			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-31			1.8 G	0.27	0.39	0.88 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-32			0.48	< 0.024 U	< 0.22 U	0.18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-34			< 0.17 U	< 0.024 U	< 0.22 U	< 0.028 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-35			0.51 G	< 0.024 U	< 0.22 U	0.041 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-36			0.22 G	0.081	< 0.22 U	0.33 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-37			0.39 G	0.087	< 0.22 U	0.31 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-37L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-38			< 0.18 U	< 0.024 U	< 0.22 U	< 0.03 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-39			< 0.17 U	< 0.024 U	< 0.22 U	< 0.029 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-3L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-4			0.09	< 0.024 U	< 0.022 U	0.069	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-40			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-40/71			2.6	0.69	< 0.043 U	3.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-41			0.12 G	< 0.024 U	< 0.022 U	0.16 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-42			1.2 G	0.37	< 0.022 U	1.7 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-43			0.16 G	< 0.024 U	< 0.022 U	0.21 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-44			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65			11	5	1.2	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-45			0.55 G	0.097	< 0.022 U	0.52 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-46			0.26 G	0.052	< 0.022 U	0.21 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-48			0.59 G	0.16	0.25	0.74 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-49			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-49/69			4.8	2.7	0.75	9.3	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-4L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-5			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-50			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-50/53			1	0.34	0.097	1.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-51			0.14 G	0.034	< 0.022 U	0.095 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-52			32 E	13	5.4	58 E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-54			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-54L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-55			< 0.16 U	< 0.061 U	< 0.034 U	< 0.26 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-56			2.5	1.1 G	< 0.037 U	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-57			< 0.15 U	< 0.06 U	< 0.034 U	< 0.25 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-58			< 0.16 U	< 0.061 U	< 0.034 U	< 0.26 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-59			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75			0.29	< 0.072 U	< 0.065 U	0.31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-6			0.04	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-60			0.88 G	0.42 G	< 0.036 U	1.5 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-61			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76			22	11	< 0.087 U	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-63			0.21 G	0.098 G	< 0.031 U	< 0.24 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-64			3.5	1.8	0.065	5.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-66			5.7	3.5	< 0.038 U	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-67			< 0.14 U	< 0.056 U	< 0.031 U	< 0.24 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-68			< 0.14 U	< 0.054 U	< 0.03 U	< 0.23 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-7			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-72			< 0.15 U	< 0.059 U	< 0.032 U	< 0.25 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-73			< 0.038 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-77			1.3 G	1 G	1.3 G	1.1 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-77L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-78			< 0.18 U	< 0.069 U	< 0.038 U	< 0.29 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-79			0.98 G	0.5 G	< 0.033 U	2 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-8			0.15	0.025	0.037	0.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-80			< 0.15 U	< 0.057 U	< 0.032 U	< 0.24 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-81			< 0.23 U	< 0.08 U	< 0.057 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-81L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-82			9.8 G	3.6 G	2.4 G	17 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-83			3.5 G	1.3 G	< 0.34 U	5.9 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-135	SB-136	SB-136	SB-137	SB-138	SB-138	SB-139	SB-140	SB-140	SB-140	SB-141	SB-142	SB-142	SB-143	SB-144	SB-144	SB-145	SB-145	SB-145	SB-146	SB-148	SB-148	SB-149	SB-150	SB-151	SB-152	SB-153	SB-155
Sample ID			SB-135 (0-1)	SB-136 (0-1)	SB-136 (1-3)	SB-137 (0-1)	SB-138 (0-1)	DUP-01 (0-1)	SB-139 (0-1)	SB-140 (0-1)	SB-140 (1-3)	DUP-06 (0-1)	SB-141 (0-1)	SB-142 (0-1)	SB-142 (1-3)	SB-143 (0-1)	SB-144 (0-1)	DUP-03	SB-145 (0-1)	SB-145 (1-3)	DUP-07 (0-1)	SB-146 (0-1)	SB-148 (0-1)	DUP-04	SB-149 (0-1)	SB-150 (0-1)	SB-151 (0-1)	SB-152 (0-1)	SB-153 (0-1)	SB-155 (0-1)
Sample Date			08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/20/2014	08/20/2014	08/22/2014	08/22/2014
Sample Type			N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	N	N	N	N	N
PCB-84			21 G	7.2 G	0.65 G	34 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-85			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117			11	8.4	4 G	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-86			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125			54	21	13	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-88			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-88/91			8.3 G	4.3	1.2 G	13 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-89			< 0.85 U	< 0.49 U	< 0.27 U	< 1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-9			< 0.026 U	< 0.024 U	< 0.022 U	< 0.025 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-90			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113			73	30	18	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-92			12 G	5.4 G	< 0.25 U	23 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-93			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-93/100			< 0.76 U	< 0.44 U	< 0.24 U	< 0.91 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-94			< 0.81 U	< 0.46 U	< 0.25 U	< 0.97 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-95			42 G	19 G	0.62 G	95 e	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-96			0.35	0.16	0.049	0.46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-98			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-98/102			1.5 G	0.64 G	0.63 G	2.4 G	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-99			32 G	20 G	10 G	58 E	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated biphenyls	**1550**	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																														
1,1-Biphenyl	**1000**	1000	--	--	--	--	< 17000 U	< 920 U	--	< 900 U	< 900 U	< 8100 U	< 19000 U	< 8100 U	< 870 U	< 8000 U	< 7700 U	< 9000 U	< 8300 U	< 8200 U	< 8200 U	< 8400 U	< 8100 U	< 8400 U	< 9700 U	< 8900 U	< 18000 U	< 950 U	< 8200 U	< 8300 U
1,2,4,5-Tetrachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,3-Dinitrobenzene	1050	1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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2,4-Dimethylphenol	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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2-Methylphenol	3800	4100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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4-Methylphenol	3800	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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7,12-Dimethylbenz(a)anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	2000	2000	--	--	--	--	--	--	--	< 800 U	< 800 U	< 7200 U	< 17000 U	--	--	< 7100 U	< 6900 U	--	< 7400 U	< 7300 U	< 7300 U	< 7500 U	--	--	--	--	--	--	--	--
Anthracene	500000	1009000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Benzo(a)anthracene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	1640	1640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Benzo(g,h,i)perylene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-135	SB-136	SB-136	SB-137	SB-138	SB-138	SB-139	SB-140	SB-140	SB-140	SB-141	SB-142	SB-142	SB-143	SB-144	SB-144	SB-145	SB-145	SB-145	SB-146	SB-148	SB-148	SB-149	SB-150	SB-151	SB-152	SB-153	SB-155
Sample ID			SB-135 (0-1)	SB-136 (0-1)	SB-136 (1-3)	SB-137 (0-1)	SB-138 (0-1)	DUP-01 (0-1)	SB-139 (0-1)	SB-140 (0-1)	SB-140 (1-3)	DUP-06 (0-1)	SB-141 (0-1)	SB-142 (0-1)	SB-142 (1-3)	SB-143 (0-1)	SB-144 (0-1)	DUP-03	SB-145 (0-1)	SB-145 (1-3)	DUP-07 (0-1)	SB-146 (0-1)	SB-148 (0-1)	DUP-04	SB-149 (0-1)	SB-150 (0-1)	SB-151 (0-1)	SB-152 (0-1)	SB-153 (0-1)	SB-155 (0-1)
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Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-135	SB-136	SB-136	SB-137	SB-138	SB-138	SB-139	SB-140	SB-140	SB-140	SB-141	SB-142	SB-142	SB-143	SB-144	SB-144	SB-145	SB-145	SB-145	SB-146	SB-148	SB-148	SB-149	SB-150	SB-151	SB-152	SB-153	SB-155
Sample ID			SB-135 (0-1)	SB-136 (0-1)	SB-136 (1-3)	SB-137 (0-1)	SB-138 (0-1)	DUP-01 (0-1)	SB-139 (0-1)	SB-140 (0-1)	SB-140 (1-3)	DUP-06 (0-1)	SB-141 (0-1)	SB-142 (0-1)	SB-142 (1-3)	SB-143 (0-1)	SB-144 (0-1)	DUP-03	SB-145 (0-1)	SB-145 (1-3)	DUP-07 (0-1)	SB-146 (0-1)	SB-148 (0-1)	DUP-04	SB-149 (0-1)	SB-150 (0-1)	SB-151 (0-1)	SB-152 (0-1)	SB-153 (0-1)	SB-155 (0-1)
Sample Date			08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/21/2014	08/20/2014	08/21/2014	08/21/2014	08/21/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/22/2014	08/20/2014	08/20/2014	08/22/2014	08/22/2014
Sample Type			N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	FD	N	N	FD	N	N	FD	N	N	N	N	N	N	N
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-155	SB-156	SB-157	SB-157	SB-159	SB-159	SB-160	SB-160	SB-161	SB-162	SB-162	SB-163	SB-164	SB-165	SB-166	SB-167	SB-168	SB-169	SB-169	SB-170	SB-171	SB-172	SB-173	SB-174	SB-176	SB-177	SB-178
Sample ID			DUP-05 (0-1)	SB-156 (0-1)	SB-157 (0-2')	SB-157 (2-4')	SB-159 (0-2')	SB-159 (2-4')	SB-160 (0-2')	SB-160 (2-4')	SB-161 (0-2')	SB-162 (0-2')	DUP-04 (0-2')	SB-163 (0-2')	SB-164 (0-2')	SB-165 (0-2')	SB-166 (0-2')	SB-167 (0-2')	SB-168 (0-2')	SB-169(0-2')	SB-169(2-4')	SB-170(0-2')	SB-171(0-2')	SB-172(0-2')	SB-173 (0-2')	SB-174 (0-2')	SB-176 (0-2')	SB-177 (0-2')	SB-178 (0-2')
Sample Date			08/22/2014	08/22/2014	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/11/2015	08/11/2015	08/11/2015	08/12/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/12/2015	08/13/2015	08/13/2015	08/12/2015
Sample Type			FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																													
pH (Standard Units)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/kg)																													
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																													
1,2,3,4,6,7,8-Heptachlorodibenzofuran			--	--	--	--	0.014 B	0.00078 JB	0.010 B	0.0020 JB	--	--	--	--	--	--	--	--	--	0.0059 JB	0.00025 JB	0.017 B	0.060 B	0.012 B	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin			--	--	--	--	0.071	0.016	0.061	0.078	--	--	--	--	--	--	--	--	--	0.071 B	0.047 B	0.076 B	0.21 B	0.064 B	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran			--	--	--	--	< 0.0058 U	< 0.0059 U	< 0.0058 U	< 0.0070 U	--	--	--	--	--	--	--	--	--	< 0.0060 U	< 0.0061 U	0.0011 J	< 0.036 U	0.00084 J	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran			--	--	--	--	0.0012 J	< 0.0059 U	0.0012 J	< 0.0070 U	--	--	--	--	--	--	--	--	--	0.00063 J	0.00034 J	0.0014 J	0.0037 J	0.0012 J	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin			--	--	--	--	0.00052 J	0.00020 J	0.00072 J	0.00068 J	--	--	--	--	--	--	--	--	--	0.00058 J	0.00046 J	0.00092 J	0.0029 J	0.0014 J	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran			--	--	--	--	0.00081 J	< 0.0059 U	0.00059 J	< 0.0070 U	--	--	--	--	--	--	--	--	--	0.00033 J	0.000061 J	0.0011 J	0.0032 J	0.00073 J	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin			--	--	--	--	0.0019 J	0.00029 J	0.0016 J	0.0013 J	--	--	--	--	--	--	--	--	--	0.0014 J	0.00051 J	0.0027 J	0.0070 J	0.0027 J	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran			--	--	--	--	< 0.0058 U	< 0.0059 U	< 0.0058 U	< 0.0070 U	--	--	--	--	--	--	--	--	--	< 0.0060 U	< 0.0061 U	< 0.0059 U	< 0.036 U	< 0.0060 U	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin			--	--	--	--	0.0018 J	0.00058 J	0.0018 J	0.0032 J	--	--	--	--	--	--	--	--	--	0.0011 J	0.0012 J	0.0029 J	0.0077 J	0.0049 J	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran			--	--	--	--	< 0.0058 U	< 0.0059 U	0.00021 J	< 0.0070 U	--	--	--	--	--	--	--	--	--	< 0.0060 U	< 0.0061 U	0.00043 J	< 0.036 U	0.00061 J	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin			--	--	--	--	0.00040 J	< 0.0059 U	< 0.0058 U	0.00066 J	--	--	--	--	--	--	--	--	--	0.00032 J	0.00025 J	0.00056 J	< 0.036 U	0.00071 J	--	--	--	--	--
13C-1,2,3,4,6,7,8-CDD			--	--	--	--	< 0.23 U	< 0.24 U	< 0.23 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,4,6,7,8-HCDF			--	--	--	--	< 0.23 U	< 0.24 U	< 0.23 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,6,7,8-HCDD			--	--	--	--	< 0.23 U	< 0.24 U	< 0.23 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDD			--	--	--	--	< 0.23 U	< 0.24 U	< 0.23 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDF			--	--	--	--	< 0.23 U	< 0.24 U	< 0.23 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-123478-HxCDF			--	--	--	--	< 0.23 U	< 0.24 U	< 0.23 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-2378-TCDF			--	--	--	--	< 0.23 U	< 0.24 U	< 0.23 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-2,3,7,8-TCDD			--	--	--	--	< 0.23 U	< 0.24 U	< 0.23 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-OCDD			--	--	--	--	< 0.46 U	< 0.47 U	< 0.46 U	< 0.56 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran			--	--	--	--	0.00057 J	< 0.0059 U	0.00034 J	< 0.0070 U	--	--	--	--	--	--	--	--	--	0.00035 J	< 0.0061 U	0.00098 J	0.0033 J	0.00049 J	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran			--	--	--	--	0.00048 J	< 0.0059 U	0.00039 J	< 0.0070 U	--	--	--	--	--	--	--	--	--	0.00033 J	< 0.0061 U	0.00066 J	0.0017 J	0.00070 J	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran			--	--	--	--	0.00087 J	< 0.0012 U	0.0011 J	0.00016 J	--	--	--	--	--	--	--	--	--	0.00030 J	< 0.0012 U	0.00077 J	0.0030 J	0.0015	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	< 0.0012 U	< 0.0012 U	0.00015 J	< 0.0014 U	--	--	--	--	--	--	--	--	--	0.000076 J	0.000074 J	0.000076 J	< 0.0072 U	0.00013 J	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	0.046 B	0.0035 JB	0.034 B	0.0067 JB	--	--	--	--	--	--	--	--	--	0.019 B	0.00068 JB	0.048 B	0.14 B	0.028 B	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	0.40 B	0.057 B	0.16 B	0.24 B	--	--	--	--	--	--	--	--	--	0.14 B	0.12 B	0.17 B	0.43 B	0.19 B	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	0.017 q	0.00077 J	0.011 q	0.0019 J	--	--	--	--	--	--	--	--	--	0.01	0.00054 J	0.02	0.07	0.013	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	0.027 q	0.0085 q	0.021	0.038 q	--	--	--	--	--	--	--	--	--	0.013	0.017	0.027	0.064	0.055	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	0.048	0.0039 J	0.041	0.0072 J	--	--	--	--	--	--	--	--	--	0.016 B	0.00088 JB	0.035 B	0.10 B	0.020 B	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	1.3 B	2.2 G	6.0 EB	18 EB	--	--	--	--	--	--	--	--	--	11 EB	10 EB	1.6 B	3.2 B	1.0 B	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	0.0091 q	0.00023 J	0.0058 q	0.0011 J	--	--	--	--	--	--	--	--	--	0.0067	0.00032 J	0.01	0.039	0.0065	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	0.0021 J	0.00075 J	0.0017 J	0.0052 J	--	--	--	--	--	--	--	--	--	0.0027 J	0.0020 J	0.0062	0.0054 J	0.0073	--	--	--	--	--
Tetrachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0038	0.000089 J	0.0071	0.024	0.0092	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	0.0057	< 0.0012 U	0.0049 q	0.00037 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	0.00070 JB	0.00020 JB	0.00070 JB	0.0023 B	--	--	--	--	--	--	--	--	--	0.00081 J	0.00026 J	0.0036	0.0015 J	0.0061	--	--	--	--	--
TEQ WHO2005 ND=0.5	**0.12**	0.44	--	--	--	--	0.0085	0.0049	0.039	0.014	--	--	--	--	--	--	--	--	--	0.0057	0.0059	0.0084	0.054	0.0063	--	--	--	--	--
Pesticides (µg/kg)																													
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	40	< 40 U	170	17 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	17 JP	< 40 U	88	< 45 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																													
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	**1550**	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 39 U	< 40 U	67	< 47 U	160	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 39 U	< 40 U	13 JP	< 47 U	32 J	--	--	--	--	--
Aroclor 1262			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Decachlorobiphenyl			--	--	--	--	0.065	0.0038 J	0.035	0.0070 J	--	--	--	--	--	--	--	--	--	0.017 JB	0.00065 JB	0.048 B	0.11 JB	0.067 JB	--	--	--	--	--
PCB-1			--	--	--	--	0.020 J	0.011 J	0.012 J	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.00092 J	0.0029 J	< 0.21 U	--	--	--	--	--
PCB-10			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-103			--	--	--	--	< 0.069 U	< 0.024 U	< 0.18 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.077 U	< 0.31 U	< 0.21 U	--	--	--	--	--
PCB-104			--	--	--	--	0.00025 J	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.00014 J	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-104L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105			--	--	--	--	2.2 G	0.25 G	5.0 G	0.44 G	--	--	--	--	--	--	--	--	--	0.021 B	0.016 B	2.7 EB	18 B	1.1 B	--	--	--	--	--
PCB-105L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-106			--	--	--	--	< 0.061 U	< 0.024 U	< 0.16 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.069 U	< 0.27 U	< 0.21 U	--	--	--	--	--
PCB-107			--	--	--	--	0.35 G	0.027 J	0.72 G	0.057	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-107/124			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0024 J	0.0020 J	0.22 G	1.5	0.087 J	--	--	--	--	--
PCB-109			--	--	--	--	0.41 G	0.045	0.95 G	0.08	--	--	--	--	--	--	--	--	--	0.0042 J	0.0021 J	0.46 G	2.8 G	0.18 J	--	--	--	--	--
PCB-11			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	0.010 J	0.0091 J	0.0075 J	0.077 J	0.098 J	--	--	--	--	--
PCB-110			--	--	--	--	6.2 EB	0.83 B	20 G	1.4 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-110/115			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.055 B	0.073 B	6.1 EB	31 B	3.8 B	--	--	--	--	--
PCB-111			--	--	--	--	< 0.051 U	< 0.024 U	< 0.13 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.057 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-112			--	--	--	--	< 0.051 U	< 0.024 U	< 0.13 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.057 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-114			--	--	--	--	0.11 G	0.012 G	0.24 G	0.024 G	--	--	--	--	--	--	--	--	--	0.00093 J	0.00098 J	0.14 G	0.62 G	0.035 G	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-155	SB-156	SB-157	SB-157	SB-159	SB-159	SB-160	SB-160	SB-161	SB-162	SB-162	SB-163	SB-164	SB-165	SB-166	SB-167	SB-168	SB-169	SB-169	SB-170	SB-171	SB-172	SB-173	SB-174	SB-176	SB-177	SB-178
Sample ID			DUP-05 (0-1)	SB-156 (0-1)	SB-157 (0-2')	SB-157 (2-4')	SB-159 (0-2')	SB-159 (2-4')	SB-160 (0-2')	SB-160 (2-4')	SB-161 (0-2')	SB-162 (0-2')	DUP-04 (0-2')	SB-163 (0-2')	SB-164 (0-2')	SB-165 (0-2')	SB-166 (0-2')	SB-167 (0-2')	SB-168 (0-2')	SB-169(0-2')	SB-169(2-4')	SB-170(0-2')	SB-171(0-2')	SB-172(0-2')	SB-173 (0-2')	SB-174 (0-2')	SB-176 (0-2')	SB-177 (0-2')	SB-178 (0-2')
Sample Date			08/22/2014	08/22/2014	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/11/2015	08/11/2015	08/11/2015	08/12/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/12/2015	08/13/2015	08/13/2015	08/12/2015
Sample Type			FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PCB-114L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-115			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118			--	--	--	--	5.3 EB	0.60 G	13 EB	1.1 G	--	--	--	--	--	--	--	--	--	0.046 B	0.039 B	6.1 EB	40 EB	2.6 B	--	--	--	--	--
PCB-118L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12			--	--	--	--	< 0.046 U	< 0.048 U	< 0.047 U	< 0.055 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12/13			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.049 U	< 0.049 U	< 0.047 U	< 0.45 U	< 0.42 U	--	--	--	--	--
PCB-120			--	--	--	--	< 0.055 U	< 0.024 U	< 0.15 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.062 U	< 0.25 U	< 0.21 U	--	--	--	--	--
PCB-121			--	--	--	--	< 0.054 U	< 0.024 U	< 0.14 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.061 U	< 0.24 U	< 0.21 U	--	--	--	--	--
PCB-122			--	--	--	--	< 0.065 U	0.016 J	0.22 G	0.021 J	--	--	--	--	--	--	--	--	--	0.0012 J	0.0011 J	0.090 G	0.59 G	0.048 J	--	--	--	--	--
PCB-123			--	--	--	--	0.14 G	0.016 G	0.23 G	0.022 G	--	--	--	--	--	--	--	--	--	0.0012 J	0.0011 J	0.11 G	0.60 G	0.038 G	--	--	--	--	--
PCB-123L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126			--	--	--	--	< 0.085 U	0.024 G	0.31 G	0.028 G	--	--	--	--	--	--	--	--	--	0.0019 J	< 0.0025 U	< 0.084 U	< 0.37 U	< 0.042 U	--	--	--	--	--
PCB-126L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-127			--	--	--	--	< 0.067 U	< 0.024 U	< 0.18 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.075 U	< 0.30 U	< 0.21 U	--	--	--	--	--
PCB-128			--	--	--	--	4.5 G	0.33	6.5 G	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128/162			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.022 J	0.014 J	1.9	7.2	0.65	--	--	--	--	--
PCB-128/166			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-129			--	--	--	--	26 EB	1.7 B	32 G	3.1 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.10 B	0.075 B	9.5 EB	40 B	3.4 B	--	--	--	--	--
PCB-130			--	--	--	--	1.5 G	0.11	2.1 G	0.2	--	--	--	--	--	--	--	--	--	0.0065 J	0.0053 J	0.56 G	2.1 G	0.23	--	--	--	--	--
PCB-131			--	--	--	--	0.14 G	< 0.024 U	0.36 G	0.027 J	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.095 G	0.35 G	1.1	--	--	--	--	--
PCB-132			--	--	--	--	4.6 EB	0.36 B	8.5 G	0.71 B	--	--	--	--	--	--	--	--	--	0.017 JB	0.021 JB	1.9 B	8.4 B	< 0.21 U	--	--	--	--	--
PCB-133			--	--	--	--	0.29 G	0.014 J	0.31 G	0.028	--	--	--	--	--	--	--	--	--	0.00086 J	0.00068 J	0.083 G	0.33 G	< 0.21 U	--	--	--	--	--
PCB-134			--	--	--	--	0.94 G	0.057	1.4 G	0.13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-134/143			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0026 J	0.0035 J	0.36	17	0.046 J	--	--	--	--	--
PCB-135			--	--	--	--	4.5 G	0.22	5.0 G	0.45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-135/151			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.010 J	0.010 J	1.3	4	< 0.42 U	--	--	--	--	--
PCB-136			--	--	--	--	1.8 G	0.086 B	2.3 G	0.18 B	--	--	--	--	--	--	--	--	--	0.0045 J	0.0055 J	0.57	2.1	< 0.21 U	--	--	--	--	--
PCB-137			--	--	--	--	1.7 G	0.1	2.1 G	0.19	--	--	--	--	--	--	--	--	--	0.0059 J	0.0047 J	0.39 G	1.9 G	0.19 J	--	--	--	--	--
PCB-139			--	--	--	--	0.47 G	0.024 J	0.53 G	0.045 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-139/140			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00097 J	0.0010 J	0.099	0.46	0.035 J	--	--	--	--	--
PCB-14			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-141			--	--	--	--	2.7 G	0.19	4.0 G	0.38	--	--	--	--	--	--	--	--	--	0.0090 J	0.010 J	0.95 G	4.3 G	0.49	--	--	--	--	--
PCB-142			--	--	--	--	< 0.086 U	< 0.024 U	< 0.12 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.026 U	< 0.25 U	< 0.21 U	--	--	--	--	--
PCB-144			--	--	--	--	0.38 G	0.026	0.75 G	0.057	--	--	--	--	--	--	--	--	--	0.0010 J	0.0015 J	< 0.025 U	< 0.23 U	1.7	--	--	--	--	--
PCB-145			--	--	--	--	< 0.060 U	< 0.024 U	< 0.081 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-146			--	--	--	--	3.1 G	0.17	3.5 G	0.32	--	--	--	--	--	--	--	--	--	0.010 J	0.0081 J	0.92 G	3.7 G	0.34	--	--	--	--	--
PCB-147			--	--	--	--	9.1 EB	0.58 B	14 G	1.2 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-147/149			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.032 JB	0.033 JB	3.5 B	< 0.45 U	< 0.42 U	--	--	--	--	--
PCB-148			--	--	--	--	< 0.080 U	< 0.024 U	< 0.11 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-15			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0025 J	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-150			--	--	--	--	< 0.056 U	< 0.024 U	< 0.076 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-152			--	--	--	--	< 0.060 U	< 0.024 U	< 0.082 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-153			--	--	--	--	11 EB	0.74 B	16 G	1.4 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-153/168			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.049 B	0.040 JB	5.2 EB	22 B	1.9 B	--	--	--	--	--
PCB-154			--	--	--	--	< 0.072 U	< 0.024 U	< 0.097 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.05	1.5	0.049 J	--	--	--	--	--
PCB-155			--	--	--	--	< 0.053 U	< 0.024 U	< 0.099 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-155L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156			--	--	--	--	2.2 G	0.18	3.2 G	0.32	--	--	--	--	--	--	--	--	--	0.016 B	0.011 B	1.6 B	6.7 B	0.57 B	--	--	--	--	--
PCB-156/157			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156L/157L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-158			--	--	--	--	1.9 G	0.18	3.0 G	0.31	--	--	--	--	--	--	--	--	--	0.011 J	0.0091 J	1	3.8	0.39	--	--	--	--	--
PCB-159			--	--	--	--	0.055	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	0.016 J	--	--	--	--	--
PCB-15L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-16			--	--	--	--	0.0033 J	< 0.024 U	0.011 J	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	0.00054 J	0.012 J	0.030 J	0.0052 J	--	--	--	--	--
PCB-160			--	--	--	--	< 0.078 U	< 0.024 U	< 0.10 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-161			--	--	--	--	< 0.064 U	< 0.024 U	< 0.086 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-162			--	--	--	--	0.14	0.0087 J	0.18	0.017 J	--	--	--	--	--	--	--	--	--	0.00075 J	< 0.025 U	0.055	0.20 J	0.021 J	--	--	--	--	--
PCB-164			--	--	--	--	1.7 G	0.11	2.0 G	0.2	--	--	--	--	--	--	--	--	--	0.0062 J	0.0048 J	0.49	2.2	0.21	--	--	--	--	--
PCB-165			--	--	--	--	< 0.074 U	< 0.024 U	< 0.10 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-167			--	--	--	--	1.1 G	0.075	1.5 G	0.13	--	--	--	--	--	--	--	--	--	0.0054	0.0031	0.47 G	1.9 G	0.17	--	--	--	--	--
PCB-167L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-169			--	--	--	--	< 0.018 U	< 0.0024 U	< 0.016 U	< 0.0033 U	--	--	--	--	--	--	--	--	--	< 0.0024 U	< 0.0025 U	< 0.011 U	< 0.064 U	< 0.021 U	--	--	--	--	--
PCB-169L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-17			--	--	--	--	0.0028 J	< 0.024 U	0.0092 J	< 0.028 U	--	--	--	--	--	--	--	--	--	0.00046 J	0.00039 J	0.011 J	0.027 J	0.0061 J	--	--	--	--	--
PCB-170			--	--	--	--	3.7 E	0.23	4.9 E	0.47	--	--	--	--	--	--	--	--	--	0.017 J	0.0094 J	1.3	5	0.56	--	--	--	--	--
PCB-171			--	--	--	--	1.1	0.062	1.4	0.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-171/173			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0043 J	0.0029 J	0.38	1.4	0.17 J	--	--	--	--	--
PCB-172			--	--	--	--	0.5	0.032	0.68	0.064	--	--	--	--	--	--	--	--	--	0.0026 J	0.0015 J	0.19	0.65	0.088 J	--	--	--	--	--
PCB-174			--	--	--	--	2.4 E	0.13	3.0 E	0.29	--	--	--	--	--	--	--	--	--	0.0099 J	0.0068 J	0.84	3.3	0.46	--	--	--	--	--
PCB-175			--	--	--	--	0.1	0.0061 J	0.12	0.013 J	--	--	--	--	--	--	--	--	--	0.00036 J	0.00025 J	0.033	0.11 J	0.016 J	--	--	--	--	--
PCB-176			--	--	--	--	0.22	0.011 J	0.26	0.026 J	--	--	--	--	--	--	--	--	--	0.00080 J	0.00076 J	0.075	0.28	0.038 J	--	--	--	--	--
PCB-177			--	--	--	--	1.5	0.084	1.9	0.17	--	--	--	--	--	--	--	--	--	0.0072 J	0.0047 J	0.59	2.1	0.26	--	--	--	--	--
PCB-178			--	--	--	--	0.33	0.020 J	0.39	0.04	--	--	--	--	--	--	--	--	--	0.0018 J	0.0011 J	0.14	0.46	0.061 J	--	--	--	--	--
PCB-179			--	--	--	--	0.68	0.032	0.73	0.072	--	--	--	--	--	--	--	--	--	0.0028 J	0.0022 J	0.25	0.9	0.12 J	--	--	--	--	--
PCB-18			--	--	--	--	0.0071 J	< 0.048 U	0.022 J	0.0024 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-18/30			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00047 J	0.00053 J	0.019 J	0.057 J	0.0086 J	--	--	--	--	--
PCB-180			--	--	--	--	5.2 EB	0.33 B	7.0 E	0.69 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-180/193			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.031 JB	0.016 JB	2.0 B	6.9 B	1.0 B	--	--	--	--	--
PCB-181			--	--	--	--	0.078	0.0038 J	0.09	0.0088 J	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.029	0.10 J	0.012 J	--	--	--	--	--
PCB-182			--	--	--	--	0.021 J	0.0018 J	0.020 J	0.0027 J	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0093 J	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-183			--	--	--	--	1.3	0.068	1.6	0.15	--	--	--	--	--	--	--	--	--	0.0052 J	0.0042 J	0.49	1.6	0.23	--	--	--	--	--
PCB-184			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0010 J	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-185			--	--	--	--	0.18	0.012 J	0.23	0.024 J	--	--	--	--	--	--	--	--	--	0.00069 J	< 0.025 U	0.061	0.27	0.049 J	--	--	--	--	--
PCB-186			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-187			--	--	--	--	1.8	0.11	2.2	0.25	--	--	--	--	--	--	--	--	--	0.012 J	0.0061 J	0.78	2.7	0.39	--	--	--	--	--
PCB-188			--	--	--	--	0.0051 J	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0015 J	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-188L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-189			--	--	--	--	0.14	0.0091	0.16	0.017	--	--	--	--	--	--	--	--	--	0.00081 J	0.00049 J	0.059	0.2	0.022	--	--	--	--	--
PCB-189L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-19			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0030 J	0.0063 J	< 0.21 U	--	--	--	--	--
PCB-190			--	--	--	--	0.59	0.038	0.79	0.078	--	--	--	--	--	--	--	--	--	0.0032 J	0.0018 J	0.25	0.94	0.11 J	--	--	--	--	--
PCB-191			--	--	--	--	0.13	0.0096 J	0.18	0.018 J	--	--	--	--	--	--	--	--	--	0.00077 J	0.00040 J	0.053	0.18 J	0.024 J	--	--	--	--	--
PCB-192			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-155	SB-156	SB-157	SB-157	SB-159	SB-159	SB-160	SB-160	SB-161	SB-162	SB-162	SB-163	SB-164	SB-165	SB-166	SB-167	SB-168	SB-169	SB-169	SB-170	SB-171	SB-172	SB-173	SB-174	SB-176	SB-177	SB-178
Sample ID			DUP-05 (0-1)	SB-156 (0-1)	SB-157 (0-2')	SB-157 (2-4')	SB-159 (0-2')	SB-159 (2-4')	SB-160 (0-2')	SB-160 (2-4')	SB-161 (0-2')	SB-162 (0-2')	DUP-04 (0-2')	SB-163 (0-2')	SB-164 (0-2')	SB-165 (0-2')	SB-166 (0-2')	SB-167 (0-2')	SB-168 (0-2')	SB-169(0-2')	SB-169(2-4')	SB-170(0-2')	SB-171(0-2')	SB-172(0-2')	SB-173 (0-2')	SB-174 (0-2')	SB-176 (0-2')	SB-177 (0-2')	SB-178 (0-2')
Sample Date			08/22/2014	08/22/2014	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/11/2015	08/11/2015	08/11/2015	08/12/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/12/2015	08/13/2015	08/13/2015	08/12/2015
Sample Type			FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PCB-194			--	--	--	--	0.54	0.035	0.75	0.1	--	--	--	--	--	--	--	--	--	0.0078 J	0.0023 J	0.27	0.8	0.19 J	--	--	--	--	--
PCB-195			--	--	--	--	0.21	0.013 J	0.27	0.033	--	--	--	--	--	--	--	--	--	0.0023 J	0.00096 J	0.1	0.28	0.059 J	--	--	--	--	--
PCB-196			--	--	--	--	0.27	0.018 J	0.36	0.053	--	--	--	--	--	--	--	--	--	0.0032 J	< 0.025 U	0.12	0.36	0.084 J	--	--	--	--	--
PCB-197			--	--	--	--	0.017 J	0.00087 J	0.021 J	0.0029 J	--	--	--	--	--	--	--	--	--	0.00019 J	< 0.025 U	0.0083 J	0.027 J	0.0052 J	--	--	--	--	--
PCB-198			--	--	--	--	0.52	0.036 J	0.71	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-198/199			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.011 J	< 0.049 U	0.3	0.88	0.20 J	--	--	--	--	--
PCB-19L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-1L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-2			--	--	--	--	0.0080 J	0.0039 J	0.0062 J	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0019 J	0.0048 J	0.0041 J	--	--	--	--	--
PCB-20			--	--	--	--	0.012 J	< 0.048 U	0.037 J	< 0.055 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-20/28			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0020 JB	0.0013 JB	0.031 JB	0.13 JB	0.024 JB	--	--	--	--	--
PCB-200			--	--	--	--	0.06	0.0039 J	0.073	0.012 J	--	--	--	--	--	--	--	--	--	0.00067 J	< 0.025 U	0.032	0.10 J	0.021 J	--	--	--	--	--
PCB-201			--	--	--	--	0.06	0.0035 J	0.074	0.012 J	--	--	--	--	--	--	--	--	--	0.00096 J	< 0.025 U	0.028	0.094 J	0.022 J	--	--	--	--	--
PCB-202			--	--	--	--	0.083	0.0053 J	0.11	0.021 J	--	--	--	--	--	--	--	--	--	0.0029 J	< 0.025 U	0.059	0.15 J	0.039 J	--	--	--	--	--
PCB-202L			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-203			--	--	--	--	0.35	0.024	0.47	0.077	--	--	--	--	--	--	--	--	--	0.0065 J	< 0.025 U	0.18	0.54	0.11 J	--	--	--	--	--
PCB-204			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-205			--	--	--	--	0.031	0.0021 J	0.037	0.0049 J	--	--	--	--	--	--	--	--	--	0.00055 J	< 0.025 U	0.016 J	0.045 J	0.0085 J	--	--	--	--	--
PCB-205L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-206			--	--	--	--	0.23	0.015 J	0.27	0.061	--	--	--	--	--	--	--	--	--	0.014 JB	0.0011 JB	0.12 B	0.36 B	0.10 JB	--	--	--	--	--
PCB-206L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-207			--	--	--	--	0.027	0.0017 J	0.032	0.0070 J	--	--	--	--	--	--	--	--	--	0.0013 J	< 0.025 U	0.012 J	0.033 J	0.0086 J	--	--	--	--	--
PCB-208			--	--	--	--	0.059	0.0039 J	0.061	0.014 J	--	--	--	--	--	--	--	--	--	0.0064 J	0.00050 J	0.033	0.089 J	0.030 J	--	--	--	--	--
PCB-208L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-209L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-21			--	--	--	--	0.0050 J	< 0.048 U	0.020 J	< 0.055 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-21/33			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00068 JB	0.00057 JB	0.017 JB	0.064 JB	0.010 JB	--	--	--	--	--
PCB-22			--	--	--	--	< 0.023 U	< 0.024 U	0.012 J	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	0.00039 JB	0.012 JB	0.043 JB	0.0086 JB	--	--	--	--	--
PCB-23			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-24			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.00056 J	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-25			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0023 J	0.015 J	< 0.21 U	--	--	--	--	--
PCB-26			--	--	--	--	< 0.046 U	< 0.048 U	0.0068 J	< 0.055 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-26/29			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.049 U	< 0.049 U	0.0056 J	0.026 J	< 0.42 U	--	--	--	--	--
PCB-27			--	--	--	--	< 0.023 U	< 0.024 U	0.0019 J	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0020 J	0.0057 J	< 0.21 U	--	--	--	--	--
PCB-3			--	--	--	--	0.0084 J	0.0017 J	0.0034 J	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	0.00053 J	0.0018 J	0.0040 J	0.0070 J	--	--	--	--	--
PCB-31			--	--	--	--	0.019 J	< 0.024 U	0.057	< 0.028 U	--	--	--	--	--	--	--	--	--	0.0011 JB	0.00093 JB	0.048 B	0.25 B	0.020 JB	--	--	--	--	--
PCB-32			--	--	--	--	0.0023 J	< 0.024 U	0.0070 J	0.00097 J	--	--	--	--	--	--	--	--	--	0.00036 J	0.00043 J	0.0081 J	0.022 J	0.0059 J	--	--	--	--	--
PCB-34			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-35			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0025 J	0.017 J	< 0.21 U	--	--	--	--	--
PCB-36			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.016 J	0.062 J	< 0.21 U	--	--	--	--	--
PCB-37			--	--	--	--	0.020 J	< 0.024 U	0.041	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.012 J	0.10 J	0.017 J	--	--	--	--	--
PCB-37L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-38			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-39			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-3L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-4			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0037 J	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-40			--	--	--	--	0.061	0.0091 J	< 0.047 U	0.016 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-40/71			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00057 J	0.0015 J	0.098	< 0.45 U	0.027 J	--	--	--	--	--
PCB-41			--	--	--	--	< 0.023 U	< 0.024 U	0.23	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0052 JB	0.034 JB	< 0.21 U	--	--	--	--	--
PCB-42			--	--	--	--	0.022 J	0.0029 J	0.086	0.0061 J	--	--	--	--	--	--	--	--	--	0.00030 JB	0.00059 JB	0.039 B	0.28 B	0.011 JB	--	--	--	--	--
PCB-43			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	0.14 J	< 0.21 U	--	--	--	--	--
PCB-44			--	--	--	--	0.39 B	0.043 JB	1.5 B	0.11 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.013 JB	0.0083 JB	0.66 B	5.0 B	0.17 JB	--	--	--	--	--
PCB-45			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	0.00035 J	0.015 J	0.097 J	< 0.21 U	--	--	--	--	--
PCB-46			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0069 J	0.042 J	< 0.21 U	--	--	--	--	--
PCB-48			--	--	--	--	0.013 J	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.028	0.18 J	< 0.21 U	--	--	--	--	--
PCB-49			--	--	--	--	0.19 B	0.020 JB	0.65 B	0.047 JB	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-49/69			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0022 JB	0.0038 JB	0.35 B	3.1 B	0.079 JB	--	--	--	--	--
PCB-4L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-5			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-50			--	--	--	--	0.023 J	0.0029 J	0.091	0.0064 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-50/53			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00031 J	0.00075 J	0.042 J	0.25 J	0.011 J	--	--	--	--	--
PCB-51			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	0.013 JB	0.00056 JB	0.0050 JB	0.027 JB	< 0.21 U	--	--	--	--	--
PCB-52			--	--	--	--	1.3 B	0.13 B	5.0 E	0.35 B	--	--	--	--	--	--	--	--	--	0.0089 JB	0.022 JB	2.4 EB	18 B	0.71 B	--	--	--	--	--
PCB-54			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.00025 J	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-54L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-55			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	0.043	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	0.033 J	--	--	--	--	--
PCB-56			--	--	--	--	0.12	0.011 J	0.32	0.027 J	--	--	--	--	--	--	--	--	--	0.0010 J	0.0016 J	0.16	0.48	0.027 J	--	--	--	--	--
PCB-57			--	--	--	--	0.05	0.0070 J	< 0.024 U	0.013 J	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-58			--	--	--	--	< 0.023 U	< 0.024 U	0.29	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	0.68	< 0.21 U	--	--	--	--	--
PCB-59			--	--	--	--	< 0.070 U	< 0.072 U	< 0.071 U	< 0.083 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.073 U	< 0.074 U	0.0072 J	0.083 J	< 0.63 U	--	--	--	--	--
PCB-6			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-60			--	--	--	--	0.045	0.0036 J	0.1	0.0084 J	--	--	--	--	--	--	--	--	--	< 0.024 U	0.00075 J	0.051	1.2	0.035 J	--	--	--	--	--
PCB-61			--	--	--	--	1.2 B	0.11 B	3.5 B	0.19 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0099 JB	0.017 JB	1.6 B	19 B	0.37 JB	--	--	--	--	--
PCB-63			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.016 J	0.18 J	< 0.21 U	--	--	--	--	--
PCB-64			--	--	--	--	0.12	0.012 J	0.37	0.026 J	--	--	--	--	--	--	--	--	--	0.0014 J	0.0022 J	0.11	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-66			--	--	--	--	0.33	0.031	0.82	< 0.028 U	--	--	--	--	--	--	--	--	--	0.0030 JB	0.0040 JB	0.39 B	7.5 B	0.12 JB	--	--	--	--	--
PCB-67			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	0.016 J	--	--	--	--	--
PCB-68			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	0.0050 JB	0.00045 JB	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-7			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-72			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-73			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-77			--	--	--	--	0.23 G	0.058	0.73 G	0.052	--	--	--	--	--	--	--	--	--	0.0011 J	0.00039 J	0.083 G	0.80 G	0.074	--	--	--	--	--
PCB-77L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-78			--	--	--	--	< 0.023 U	0.0017 J	0.063	0.0032 J	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.033	0.43	0.016 J	--	--	--	--	--
PCB-79			--	--	--	--	0.05	0.0075 J	0.23	0.015 J	--	--	--	--	--	--	--	--	--	< 0.024 U	0.0012 J	< 0.024 U	1.1	0.042 J	--	--	--	--	--
PCB-8			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	0.0027 J	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-80			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-81			--	--	--	--	< 0.0084 U	0.0024	0.062 G	0.0042	--	--	--	--	--	--	--	--	--	< 0.0024 U	< 0.0025 U	0.027 G	< 0.26 U	0.014 J	--	--	--	--	--
PCB-81L			--	--	--	--	< 0.23 U	< 0.24 U	< 0.24 U	< 0.28 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-82			--	--	--	--	0.46 G	0.064	1.8 G	0.12	--	--	--	--	--	--	--	--	--	0.0031 J	0.0019 J	0.53 G	< 0.37 U	0.27	--	--	--	--	--
PCB-83			--	--	--	--	0.21 G	0.03	0.66 G	0.043	--	--	--	--	--	--	--	--	--	< 0.024 U	0.0013 J	0.21 G	0.70 G	0.098 J	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-155	SB-156	SB-157	SB-157	SB-159	SB-159	SB-160	SB-160	SB-161	SB-162	SB-162	SB-163	SB-164	SB-165	SB-166	SB-167	SB-168	SB-169	SB-169	SB-170	SB-171	SB-172	SB-173	SB-174	SB-176	SB-177	SB-178
Sample ID			DUP-05 (0-1)	SB-156 (0-1)	SB-157 (0-2')	SB-157 (2-4')	SB-159 (0-2')	SB-159 (2-4')	SB-160 (0-2')	SB-160 (2-4')	SB-161 (0-2')	SB-162 (0-2')	DUP-04 (0-2')	SB-163 (0-2')	SB-164 (0-2')	SB-165 (0-2')	SB-166 (0-2')	SB-167 (0-2')	SB-168 (0-2')	SB-169(0-2')	SB-169(2-4')	SB-170(0-2')	SB-171(0-2')	SB-172(0-2')	SB-173 (0-2')	SB-174 (0-2')	SB-176 (0-2')	SB-177 (0-2')	SB-178 (0-2')
Sample Date			08/22/2014	08/22/2014	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/11/2015	08/11/2015	08/11/2015	08/12/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/12/2015	08/13/2015	08/13/2015	08/12/2015
Sample Type			FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PCB-84			--	--	--	--	0.95 G	0.11 B	4.1 G	0.17 B	--	--	--	--	--	--	--	--	--	0.0041 J	0.011 J	1.3 G	3.8 G	0.41	--	--	--	--	--
PCB-85			--	--	--	--	0.85	0.087	2.8 G	0.16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0075 J	0.0070 J	0.89	4.1	0.41 J	--	--	--	--	--
PCB-86			--	--	--	--	2.9 B	0.34 B	11 G	0.71 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.016 JB	0.022 JB	1.3 B	3.4 B	1.5 B	--	--	--	--	--
PCB-88			--	--	--	--	0.48 G	0.056	1.9 G	0.067	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-88/91			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0029 J	0.0044 J	0.52 G	1.8	0.22 J	--	--	--	--	--
PCB-89			--	--	--	--	< 0.080 U	< 0.024 U	< 0.21 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.090 U	< 0.35 U	< 0.21 U	--	--	--	--	--
PCB-9			--	--	--	--	< 0.023 U	< 0.024 U	< 0.024 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.024 U	< 0.23 U	< 0.21 U	--	--	--	--	--
PCB-90			--	--	--	--	4.3 B	0.48 B	15 G	0.98 B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.023 JB	0.041 JB	5.1 B	21 B	2.2 B	--	--	--	--	--
PCB-92			--	--	--	--	0.98 G	0.10 B	3.0 G	0.20 B	--	--	--	--	--	--	--	--	--	0.0049 J	0.0084 J	0.54 G	< 0.34 U	< 0.21 U	--	--	--	--	--
PCB-93			--	--	--	--	< 0.074 U	< 0.048 U	< 0.19 U	< 0.055 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-93/100			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.049 U	< 0.049 U	< 0.083 U	< 0.45 U	< 0.42 U	--	--	--	--	--
PCB-94			--	--	--	--	< 0.078 U	< 0.024 U	< 0.20 U	< 0.028 U	--	--	--	--	--	--	--	--	--	< 0.024 U	< 0.025 U	< 0.088 U	< 0.35 U	< 0.21 U	--	--	--	--	--
PCB-95			--	--	--	--	2.5 EB	0.32 B	11 G	0.51 B	--	--	--	--	--	--	--	--	--	0.016 JB	0.031 B	2.8 EB	8.0 B	0.56 B	--	--	--	--	--
PCB-96			--	--	--	--	0.017 J	0.0023 J	0.061	0.0037 J	--	--	--	--	--	--	--	--	--	< 0.024 U	0.00022 J	0.020 J	0.055 J	0.0067 J	--	--	--	--	--
PCB-98			--	--	--	--	< 0.067 U	< 0.048 U	< 0.18 U	< 0.055 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-98/102			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.049 U	< 0.049 U	0.075 G	< 0.45 U	< 0.42 U	--	--	--	--	--
PCB-99			--	--	--	--	2.1 G	0.21 B	6.8 G	0.43 B	--	--	--	--	--	--	--	--	--	0.012 JB	0.018 JB	2.3 B	11 B	1.0 B	--	--	--	--	--
Polychlorinated biphenyls	**1550**	1550	--	--	--	--	140	11	250	20	--	--	--	--	--	--	--	--	--	0.78	0.69	78	370	33	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																													
1,1-Biphenyl	**1000**	1000	< 8100 U	< 8100 U	< 42 U	< 40 U	**5100**	300	180	11 J	< 190 U	100 J	85 J	< 190 U	< 44 U	**250000**	< 410 U	< 39 U	**1100**	--	--	--	--	--	< 36 U	< 37 U	< 38 U	41	97
1,2,4,5-Tetrachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	1050	1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Acetylaminofluorene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	3800	4100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-155	SB-156	SB-157	SB-157	SB-159	SB-159	SB-160	SB-160	SB-161	SB-162	SB-162	SB-163	SB-164	SB-165	SB-166	SB-167	SB-168	SB-169	SB-169	SB-170	SB-171	SB-172	SB-173	SB-174	SB-176	SB-177	SB-178
Sample ID			DUP-05 (0-1)	SB-156 (0-1)	SB-157 (0-2')	SB-157 (2-4')	SB-159 (0-2')	SB-159 (2-4')	SB-160 (0-2')	SB-160 (2-4')	SB-161 (0-2')	SB-162 (0-2')	DUP-04 (0-2')	SB-163 (0-2')	SB-164 (0-2')	SB-165 (0-2')	SB-166 (0-2')	SB-167 (0-2')	SB-168 (0-2')	SB-169(0-2')	SB-169(2-4')	SB-170(0-2')	SB-171(0-2')	SB-172(0-2')	SB-173 (0-2')	SB-174 (0-2')	SB-176 (0-2')	SB-177 (0-2')	SB-178 (0-2')
Sample Date			08/22/2014	08/22/2014	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/11/2015	08/11/2015	08/11/2015	08/12/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/12/2015	08/13/2015	08/13/2015	08/12/2015
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Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Bromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-155	SB-156	SB-157	SB-157	SB-159	SB-159	SB-160	SB-160	SB-161	SB-162	SB-162	SB-163	SB-164	SB-165	SB-166	SB-167	SB-168	SB-169	SB-169	SB-170	SB-171	SB-172	SB-173	SB-174	SB-176	SB-177	SB-178
Sample ID			DUP-05 (0-1)	SB-156 (0-1)	SB-157 (0-2')	SB-157 (2-4')	SB-159 (0-2')	SB-159 (2-4')	SB-160 (0-2')	SB-160 (2-4')	SB-161 (0-2')	SB-162 (0-2')	DUP-04 (0-2')	SB-163 (0-2')	SB-164 (0-2')	SB-165 (0-2')	SB-166 (0-2')	SB-167 (0-2')	SB-168 (0-2')	SB-169(0-2')	SB-169(2-4')	SB-170(0-2')	SB-171(0-2')	SB-172(0-2')	SB-173 (0-2')	SB-174 (0-2')	SB-176 (0-2')	SB-177 (0-2')	SB-178 (0-2')
Sample Date			08/22/2014	08/22/2014	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/11/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/11/2015	08/11/2015	08/11/2015	08/12/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/12/2015	08/13/2015	08/13/2015	08/12/2015
Sample Type			FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-179	SB-180	SB-181	SB-182	SB-183	SB-184	SB-185	SB-186	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-191	SB-192	SB-193	SB-194	SB-195	SB-196	SB-197	SB-198
Sample ID			SB-179 (0-2')	SB-180 (0-2')	SB-181(0-2')	SB-182 (0-2')	SB-183 (0-2')	SB-184 (0-2')	SB-185 (0-2')	SB-186 (0-2')	DUP-03 (0-2')	SB-187 (0-2')	SB-188 (0-2')	SB-189 (0-2')	SB-190 (0-2')	SB-191 (0-2')	DUP-01 (0-2')	SB-192 (0-2')	SB-193 (0-2')	SB-194 (0-2')	SB-195 (0-2')	SB-196 (0-2')	SB-197 (0-2')	SB-198 (0-2')
Sample Date			08/13/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/11/2015
Sample Type			N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N
Field Parameters																								
pH (Standard Units)			--	--	8.76	6.18	9.11	5.4	6.12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/kg)																								
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/kg)																								
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,4,6,7,8-CDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,4,6,7,8-HCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,6,7,8-HCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-123478-HxCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-2378-TCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-2,3,7,8-TCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-OCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofuran			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ WHO2005 ND=0.5	**0.12**	0.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																								
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																								
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	**1550**	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1262			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1268			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Decachlorobiphenyl			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-1			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-10			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-103			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-104			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-104L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-107			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-107/124			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-109			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-11			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-110			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-110/115			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-111			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-112			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-114			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-179	SB-180	SB-181	SB-182	SB-183	SB-184	SB-185	SB-186	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-191	SB-192	SB-193	SB-194	SB-195	SB-196	SB-197	SB-198
Sample ID			SB-179 (0-2')	SB-180 (0-2')	SB-181(0-2')	SB-182 (0-2')	SB-183 (0-2')	SB-184 (0-2')	SB-185 (0-2')	SB-186 (0-2')	DUP-03 (0-2')	SB-187 (0-2')	SB-188 (0-2')	SB-189 (0-2')	SB-190 (0-2')	SB-191 (0-2')	DUP-01 (0-2')	SB-192 (0-2')	SB-193 (0-2')	SB-194 (0-2')	SB-195 (0-2')	SB-196 (0-2')	SB-197 (0-2')	SB-198 (0-2')
Sample Date			08/13/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/11/2015
Sample Type			N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N
PCB-114L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-115			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12/13			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-120			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-121			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-122			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-123L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-127			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128/162			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128/166			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-129			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-130			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-131			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-134			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-134/143			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-135/151			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-136			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-137			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-139			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-139/140			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-14			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-141			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-142			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-144			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-145			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-146			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-147			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-15			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-150			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-152			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-153			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-153/168			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-156			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156/157			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156L/157L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-158			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-159			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-15L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-16			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-160			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-161			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-164			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-165			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-17			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-174			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-175			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-176			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-18/30			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-180/193			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-181			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-182			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-183			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-184			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-185			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-186			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-187			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-188			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-19			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-179	SB-180	SB-181	SB-182	SB-183	SB-184	SB-185	SB-186	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-191	SB-192	SB-193	SB-194	SB-195	SB-196	SB-197	SB-198
Sample ID			SB-179 (0-2')	SB-180 (0-2')	SB-181(0-2')	SB-182 (0-2')	SB-183 (0-2')	SB-184 (0-2')	SB-185 (0-2')	SB-186 (0-2')	DUP-03 (0-2')	SB-187 (0-2')	SB-188 (0-2')	SB-189 (0-2')	SB-190 (0-2')	SB-191 (0-2')	DUP-01 (0-2')	SB-192 (0-2')	SB-193 (0-2')	SB-194 (0-2')	SB-195 (0-2')	SB-196 (0-2')	SB-197 (0-2')	SB-198 (0-2')
Sample Date			08/13/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/11/2015
Sample Type			N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N
PCB-194			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-195			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-196			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-23			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-43			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-49/69			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-56			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-57			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-58			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-59			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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PCB-61/70/74/76			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-179	SB-180	SB-181	SB-182	SB-183	SB-184	SB-185	SB-186	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-191	SB-192	SB-193	SB-194	SB-195	SB-196	SB-197	SB-198
Sample ID			SB-179 (0-2')	SB-180 (0-2')	SB-181(0-2')	SB-182 (0-2')	SB-183 (0-2')	SB-184 (0-2')	SB-185 (0-2')	SB-186 (0-2')	DUP-03 (0-2')	SB-187 (0-2')	SB-188 (0-2')	SB-189 (0-2')	SB-190 (0-2')	SB-191 (0-2')	DUP-01 (0-2')	SB-192 (0-2')	SB-193 (0-2')	SB-194 (0-2')	SB-195 (0-2')	SB-196 (0-2')	SB-197 (0-2')	SB-198 (0-2')
Sample Date			08/13/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/11/2015
Sample Type			N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N
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Polychlorinated biphenyls	**1550**	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																								
1,1-Biphenyl	**1000**	1000	< 380 U	8.4 J	--	--	--	--	--	14 J	26 J	< 36 U	16 J	**9300**	940	17 J	21 J	50	430	140	< 36 U	30 J	< 36 U	**4100**
1,2,4,5-Tetrachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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7,12-Dimethylbenz(a)anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Benzo(a)pyrene	1640	1640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	5000	46000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl Alcohol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	50000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzyl phthalate	50000	218540	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	5000	141000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diallate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	2000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	1000	1900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-179	SB-180	SB-181	SB-182	SB-183	SB-184	SB-185	SB-186	SB-186	SB-187	SB-188	SB-189	SB-190	SB-191	SB-191	SB-192	SB-193	SB-194	SB-195	SB-196	SB-197	SB-198
Sample ID			SB-179 (0-2')	SB-180 (0-2')	SB-181(0-2')	SB-182 (0-2')	SB-183 (0-2')	SB-184 (0-2')	SB-185 (0-2')	SB-186 (0-2')	DUP-03 (0-2')	SB-187 (0-2')	SB-188 (0-2')	SB-189 (0-2')	SB-190 (0-2')	SB-191 (0-2')	DUP-01 (0-2')	SB-192 (0-2')	SB-193 (0-2')	SB-194 (0-2')	SB-195 (0-2')	SB-196 (0-2')	SB-197 (0-2')	SB-198 (0-2')
Sample Date			08/13/2015	08/12/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/13/2015	08/12/2015	08/12/2015	08/12/2015	08/12/2015	08/11/2015
Sample Type			N	N	N	N	N	N	N	N	FD	N	N	N	N	N	FD	N	N	N	N	N	N	N
Dinoseb			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disulfoton			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	360000	360000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	5000	15000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isosafrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methapyrilene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl parathion			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-butylamine	1000	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitroso-N-methylethylamine	680	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	110000	110000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/kg)																								
1,1,1,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlor-1,3-Butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	100	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Allyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID Sample ID Sample Date Sample Type	Type 1/2 RRS	Type 3/4 RRS	SB-179 SB-179 (0-2') 08/13/2015 N	SB-180 SB-180 (0-2') 08/12/2015 N	SB-181 SB-181(0-2') 08/14/2015 N	SB-182 SB-182 (0-2') 08/14/2015 N	SB-183 SB-183 (0-2') 08/14/2015 N	SB-184 SB-184 (0-2') 08/14/2015 N	SB-185 SB-185 (0-2') 08/14/2015 N	SB-186 SB-186 (0-2') 08/13/2015 N	SB-186 DUP-03 (0-2') 08/13/2015 FD	SB-187 SB-187 (0-2') 08/12/2015 N	SB-188 SB-188 (0-2') 08/13/2015 N	SB-189 SB-189 (0-2') 08/12/2015 N	SB-190 SB-190 (0-2') 08/12/2015 N	SB-191 SB-191 (0-2') 08/12/2015 N	SB-191 DUP-01 (0-2') 08/12/2015 FD	SB-192 SB-192 (0-2') 08/12/2015 N	SB-193 SB-193 (0-2') 08/13/2015 N	SB-194 SB-194 (0-2') 08/12/2015 N	SB-195 SB-195 (0-2') 08/12/2015 N	SB-196 SB-196 (0-2') 08/12/2015 N	SB-197 SB-197 (0-2') 08/12/2015 N	SB-198 SB-198 (0-2') 08/11/2015 N
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-199	SB-199	SB-200	SB-200	SB-201	SB-201	SB-202	SB-203	SB-204	SB-205	SB-206	SB-207	SB-208	SB-208	SB-209	SB-F12	SB-F14	SB-F15	SB-F27	SB-F27	SB-F3	SB-F4	SB-F6
Sample ID			SB-199 (0-2')	DUP-02 (0-2')	SB-200 (0-2')	SB-200 (2-4')	SB-201 (0-2')	SB-201 (2-4")	SB-202 (0-2')	SB-203 (0-2')	SB-204 (0-2')	SB-205 (0-2')	SB-206 (0-2')	SB-207 (0-2')	SB-208(0-2')	SB-208(2-4')	SB-209(0-2')	SB-F12 (0-1) (2014)	SB-F14 (0-1) (2014)	SB-F15 (0-1) (2014)	SB-F27 (0-1) (2014)	SB-F27 (1-3) (2014)	SB-F3 (0-1) (2014)	SB-F4 (0-1) (2014)	SB-F6 (0-1) (2014)
Sample Date			08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/14/2015	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/20/2014	08/19/2014	08/19/2014
Sample Type			N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Field Parameters																									
pH (Standard Units)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/kg)																									
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 23000 U	--	--
Dioxins and Furans (µg/kg)																									
1,2,3,4,6,7,8-Heptachlorodibenzofuran			--	--	0.0048 J	0.00066 J	0.0042 J	0.00014 J	0.043 B	0.051	0.018	0.066	0.12	0.036	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin			--	--	0.15	0.2	0.07	0.024	0.31 B	0.21	0.031	0.56 G	1.2 G	0.17	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran			--	--	< 0.0061 U	< 0.0060 U	< 0.0059 U	< 0.0058 U	0.0075 J	< 0.0057 U	0.0015 J	0.0032 J	0.0055 J	< 0.0058 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran			--	--	0.00085 J	< 0.0060 U	0.0018 J	< 0.0058 U	0.035	0.0037 J	0.0050 J	0.0024 J	0.0015 J	0.0056 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin			--	--	0.00057 J	0.00056 J	0.00048 J	0.00020 J	0.0016 J	0.0017 J	0.00039 J	0.0025 J	0.01	0.0010 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran			--	--	0.00031 J	0.00015 J	0.00062 J	< 0.0058 U	0.013 J	0.0021 J	0.0027 J	0.0020 J	0.00071 J	0.0034 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin			--	--	0.0015 J	0.0011 J	0.0023 J	0.00041 J	0.019 J	0.026	0.0021 J	0.0084	0.017	0.0047 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran			--	--	< 0.0061 U	< 0.0060 U	< 0.0059 U	< 0.0058 U	< 0.030 U	< 0.0057 U	< 0.0059 U	< 0.0058 U	< 0.0057 U	< 0.0058 U	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin			--	--	0.0039 J	0.012	0.0027 J	0.0013 J	0.012 J	0.014	0.0018 J	0.0030 J	0.0040 J	0.0038 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran			--	--	0.00016 J	< 0.0060 U	0.00035 J	< 0.0058 U	0.0078 J	0.00074 J	0.0017 J	< 0.0058 U	< 0.0057 U	0.00094 J	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin			--	--	0.00030 J	0.00030 J	0.00035 J	< 0.0058 U	< 0.030 U	< 0.0057 U	< 0.0059 U	0.0016 J	0.012	< 0.0058 U	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,4,6,7,8-CDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,4,6,7,8-HCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,6,7,8-HCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-1,2,3,7,8-PCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-123478-HxCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C12-2378-TCDF			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-2,3,7,8-TCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13C-OCDD			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran			--	--	0.00014 J	< 0.0060 U	0.00027 J	< 0.0058 U	0.0045 J	0.0017 J	0.0020 J	0.0016 J	0.00058 J	0.0015 J	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran			--	--	0.00021 J	< 0.0060 U	0.00065 J	< 0.0058 U	0.015 J	0.00088 J	0.0024 J	0.0011 J	0.00043 J	0.0021 J	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran			--	--	0.00060 J	0.00012 J	0.0019	0.000056 J	0.018	0.0014	0.0076	0.0012	0.00087 J	0.008	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	< 0.0012 U	0.00011 J	< 0.0012 U	< 0.0012 U	< 0.0060 U	0.00016 J	< 0.0012 U	0.00080 J	0.0069	0.00015 J	--	--	--	< 0.0011 U	< 0.0011 U	< 0.0012 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0011 U	< 0.0012 U
Heptachlorodibenzofurans			--	--	0.025	0.0036 J	0.014	0.00034 J	0.16 B	0.16	0.031	0.27	0.62	0.11	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins			--	--	0.96 B	0.51 B	0.57 B	0.10 B	2.8 B	0.67 B	0.091 B	3.3 B	6.3 B	0.70 B	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans			--	--	0.0061 Q	0.00045 J	0.0069 Q	< 0.0058 U	0.11 Q	0.067	0.026 Q	0.069 Q	0.071 Q	0.043	--	--	--	< 0.0053 U	0.011	0.075 q	0.039 q	0.023 q	0.013	0.025 q	< 0.0058 U
Hexachlorodibenzo-p-dioxins			--	--	0.042 Q	0.055 Q	0.061 Q	0.019 Q	0.21 Q	0.19	0.021 Q	0.26	1.1 Q	0.063	--	--	--	< 0.0053 U	0.018 q	0.9	0.074 q	0.11 q	0.032	0.044 q	0.012 q
Octachlorodibenzofuran			--	--	0.048 B	0.0081 JB	0.022 B	0.00097 JB	0.17 B	0.13 B	0.020 B	0.29 B	0.79 B	0.096 B	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin			--	--	15 B	16 B	8.1 B	3.2 B	11 B	3.9 B	0.49 B	4.9 B	9.2 B	2.1 B	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total			--	--	0.0027 J	< 0.0060 U	0.0053 J	0.00026 J	0.1	0.019 Q	0.023 Q	0.049 Q	0.014	0.022	--	--	--	< 0.0053 U	0.0093	0.03 q	0.019 q	0.017 q	0.016	0.016 q	< 0.0058 U
Pentachlorodibenzo-p-dioxins, Total			--	--	0.0026 J	0.0030 J	0.0054 J	0.0025 J	0.0021 J	0.0071 Q	0.0014 J	0.024 Q	0.26	0.00045 J	--	--	--	< 0.0053 U	< 0.0057 U	0.051 q	0.0058 q	0.0059 q	< 0.0056 U	< 0.0057 U	< 0.0058 U
Tetrachlorodibenzofuran			--	--	0.0031 Q	0.00029 J	0.0094 Q	0.000056 J	0.091 Q	0.010 Q	0.041 Q	0.022 Q	0.0098 Q	0.027 Q	--	--	--	< 0.0011 U	0.012 q	0.017 q	0.011 q	0.011 q	0.0096	0.0092 q	< 0.0012 U
Tetrachlorodibenzofurans, Total			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total			--	--	0.00056 J	0.00037 J	0.0029 Q	0.0012 Q	0.0022 J	0.0023 Q	0.0012 Q	0.0046 Q	0.030 Q	0.0016 Q	--	--	--	< 0.0011 U	0.0011 q	0.0092 q	< 0.0011 U	< 0.0011 U	0.0028	< 0.0011 U	< 0.0012 U
TEQ WHO2005 ND=0.5	**0.12**	0.44	--	--	0.019	0.016	0.093	0.0077	**0.53**	0.029	**0.37**	0.021	0.043	**0.16**	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																									
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
4,4-DDT (Dichlorodiphenyl-trichloroethane)	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Aroclor 1254	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 18 U	< 19 U	< 20 U	< 73 U	< 18 U	< 19 U	< 19 U	< 20 U
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 110 U	< 110 U	< 120 U	< 430 U	< 110 U	< 110 U	< 110 U	< 120 U
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Gamma-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 110 U	< 110 U	< 120 U	< 430 U	< 110 U	< 110 U	< 110 U	< 120 U
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.8 U	< 1.9 U	< 2.0 U	< 7.3 U	< 1.8 U	< 1.9 U	< 1.9 U	< 2.0 U
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 180 U	< 190 U	< 200 U	< 730 U	< 180 U	< 190 U	< 190 U	< 200 U
Polychlorinated Biphenyls (µg/kg)																									
Aroclor 1016			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 36 U	< 38 U	--	--	--	--	--	--
Aroclor 1221			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 36 U	< 38 U	--	--	--	--	--	--
Aroclor 1232			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 36 U	< 38 U	--	--	--	--	--	--
Aroclor 1242			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 36 U	< 38 U	--	--	--	--	--	--
Aroclor 1248			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 36 U	< 38 U	--	--	--	--	--	--
Aroclor 1254	**1550**	1550	--	--	56	< 39 U	170	18 J	**4900**	310	**4600**	120	15 J	1100	--	--	--	< 36 U	560	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	33 J	< 39 U	45	< 38 U	530	61	560	21 JP	< 38 U	500	--	--	--	< 36 U	< 38 U	--	--	--	--	--	--
Aroclor 1262			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 36 U	< 38 U	--	--	--	--	--	--
Aroclor 1268			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 36 U	< 38 U	--	--	--	--	--	--
Decachlorobiphenyl			--	--	0.035 J	0.011 J	0.21 J	0.0072 J	0.67	0.043 J	0.45 J	0.068	0.15	0.21 J	--	--	--	< 0.022 U	0.37	--	--	--	--	--	--
PCB-1			--	--	< 0.49 U	< 0.24 U	0.027 J	0.00039 J	0.31 J	0.0053 J	0.089 J	0.0059 J	0.13	< 0.47 U	--	--	--	< 0.022 U	0.034	--	--	--	--	--	--
PCB-10			--	--	< 0.49 U	< 0.24 U	0.019 J	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-103			--	--	< 0.49 U	< 0.24 U	< 0.99 U	< 0.023 U	< 6.8 U	< 0.46 U	< 3.4 U	< 0.14 U	< 0.074 U	< 1.7 U	--	--	--	< 0.022 U	< 0.6 U	--	--	--	--	--	--
PCB-104			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	0.00029 JB	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-104L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105			--	--	2.8 B	0.73 B	30 B	0.18 B	170 B	7.6 B	99 B	5.8 B	3.5 EB	47 B	--	--	--	0.18 G	32 E	--	--	--	--	--	--
PCB-105L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-106			--	--	< 0.49 U	< 0.24 U	< 0.88 U	< 0.023 U	420 E	< 0.46 U	< 3.0 U	< 0.12 U	< 0.065 U	< 1.5 U	--	--	--	< 0.022 U	< 0.58 U	--	--	--	--	--	--
PCB-107			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-107/124			--	--	0.24 J	0.082 J	2.7	0.015 J	30 G	0.61 J	8.4 G	0.58 G	0.40 G	4.4 G	--	--	--	< 0.043 U	3.1 G	--	--	--	--	--	--
PCB-109			--	--	0.38 J	0.091 J	4.1 G	0.024	400 E	1	17 G	0.98 G	0.59 G	7.5 G	--	--	--	0.029	5.4 G	--	--	--	--	--	--
PCB-11			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-110			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-110/115			--	--	9.7 B	2.4 B	87 B	0.63 B	26 B	21 B	290 BE	18 B	11 B	150 BE	--	--	--	0.63	98 G	--	--	--	--	--	--
PCB-111			--	--	< 0.49 U	< 0.24 U	< 0.73 U	< 0.023 U	< 5.0 U	< 0.46 U	< 2.5 U	< 0.10 U	< 0.055 U	< 1.3 U	--	--	--	< 0.022 U	< 0.47 U	--	--	--	--	--	--
PCB-112			--	--	< 0.49 U	< 0.24 U	< 0.73 U	< 0.023 U	< 5.0 U	< 0.46 U	< 2.5 U	< 0.10 U	< 0.054 U	< 1.3 U	--	--	--	< 0.022 U	< 0.46 U	--	--	--	--	--	--
PCB-114			--	--	0.16 G	< 0.049 U	2.1 G	0.012 G	< 6.6 U	0.41 G	6.3 G	0.24 G	0.17 G	2.3 G	--	--	--	0.0082 G	1 G	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-199	SB-199	SB-200	SB-200	SB-201	SB-201	SB-202	SB-203	SB-204	SB-205	SB-206	SB-207	SB-208	SB-208	SB-209	SB-F12	SB-F14	SB-F15	SB-F27	SB-F27	SB-F3	SB-F4	SB-F6
Sample ID			SB-199 (0-2')	DUP-02 (0-2')	SB-200 (0-2')	SB-200 (2-4')	SB-201 (0-2')	SB-201 (2-4")	SB-202 (0-2')	SB-203 (0-2')	SB-204 (0-2')	SB-205 (0-2')	SB-206 (0-2')	SB-207 (0-2')	SB-208(0-2')	SB-208(2-4')	SB-209(0-2')	SB-F12 (0-1) (2014)	SB-F14 (0-1) (2014)	SB-F15 (0-1) (2014)	SB-F27 (0-1) (2014)	SB-F27 (1-3) (2014)	SB-F3 (0-1) (2014)	SB-F4 (0-1) (2014)	SB-F6 (0-1) (2014)
Sample Date			08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/14/2015	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/20/2014	08/19/2014	08/19/2014
Sample Type			N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PCB-114L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-115			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118			--	--	6.6 B	1.6 B	69 EB	0.44 B	350 B	18 B	230 B	14 B	8.7 EB	110 B	--	--	--	0.47 G	79 E	--	--	--	--	--	--
PCB-118L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-12/13			--	--	< 0.98 U	< 0.48 U	< 0.94 U	< 0.047 U	< 0.96 U	< 0.91 U	< 0.95 U	< 0.046 U	< 0.045 U	< 0.93 U	--	--	--	< 0.043 U	< 0.045 U	--	--	--	--	--	--
PCB-120			--	--	< 0.49 U	< 0.24 U	< 0.79 U	< 0.023 U	< 5.4 U	< 0.46 U	< 2.7 U	< 0.11 U	< 0.059 U	< 1.4 U	--	--	--	< 0.022 U	< 0.5 U	--	--	--	--	--	--
PCB-121			--	--	< 0.49 U	< 0.24 U	< 0.78 U	< 0.023 U	< 5.3 U	< 0.46 U	< 2.7 U	< 0.11 U	< 0.058 U	< 1.3 U	--	--	--	< 0.022 U	< 0.47 U	--	--	--	--	--	--
PCB-122			--	--	0.16 J	< 0.24 U	1.4 G	0.012 J	< 6.4 U	< 0.46 U	4.2 G	0.24 G	< 0.070 U	2.1 G	--	--	--	< 0.022 U	1.1 G	--	--	--	--	--	--
PCB-123			--	--	0.11 G	< 0.047 U	1.1 G	0.0084 G	< 6.1 U	0.26 G	4.3 G	0.24 G	0.14 G	1.7 G	--	--	--	0.0053 G	0.8 G	--	--	--	--	--	--
PCB-123L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126			--	--	< 0.19 U	< 0.10 U	< 1.6 U	< 0.011 U	< 9.2 U	< 0.29 U	< 6.7 U	< 0.14 U	< 0.070 U	< 2.8 U	--	--	--	< 0.0071 U	1.1 G	--	--	--	--	--	--
PCB-126L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-127			--	--	< 0.49 U	< 0.24 U	< 0.96 U	< 0.023 U	< 6.6 U	< 0.46 U	< 3.3 U	< 0.13 U	< 0.072 U	< 1.7 U	--	--	--	< 0.022 U	< 0.58 U	--	--	--	--	--	--
PCB-128			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-128/162			--	--	2	0.40 J	16	0.096	94 G	4.1	60 G	3.4 G	1.9 G	34	--	--	--	--	--	--	--	--	--	--	--
PCB-128/166			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.11	16	--	--	--	--	--	--
PCB-129			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163			--	--	11 B	2.2 B	87 B	0.52 B	500 BE	23 B	340 BE	18 B	10 B	210 BE	--	--	--	0.64	93 E	--	--	--	--	--	--
PCB-130			--	--	0.75	0.15 J	6.0 G	0.036	34 G	1.5	23 G	1.2 G	0.75 G	13 G	--	--	--	0.043	6.5 G	--	--	--	--	--	--
PCB-131			--	--	0.17 J	0.030 J	1.3 G	0.0073 J	160 E	0.36 J	4.4 G	0.21 G	0.15 G	2.6 G	--	--	--	< 0.022 U	1.2 G	--	--	--	--	--	--
PCB-132			--	--	3.3 B	0.64 B	28 B	0.16 B	4.4 B	6.9 B	98 BE	4.8 B	3.1 B	60 BE	--	--	--	0.19	26 G	--	--	--	--	--	--
PCB-133			--	--	0.094 J	< 0.24 U	0.77 G	0.0055 J	< 1.4 U	0.20 J	3.1 G	0.15 G	0.096 G	1.9 G	--	--	--	< 0.022 U	0.96 G	--	--	--	--	--	--
PCB-134			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-134/143			--	--	0.66 J	0.12 J	4.8	0.029 J	9.2 G	1.2	18 G	0.79 G	0.55 G	10	--	--	--	< 0.043 U	4.5 G	--	--	--	--	--	--
PCB-135			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-135/151			--	--	2.1 B	0.44 JB	17 B	0.097 B	< 1.4 U	4.4 B	66 B	3.0 B	1.8 B	46 B	--	--	--	0.11	18	--	--	--	--	--	--
PCB-136			--	--	0.96 B	0.19 JB	7.9 B	0.044 B	< 1.0 U	1.8 B	26 B	1.3 B	0.82 B	18 B	--	--	--	0.048	6.9 G	--	--	--	--	--	--
PCB-137			--	--	0.65	0.13 J	5.5 G	0.033	33 G	1.3	19 G	1.0 G	0.70 G	11 G	--	--	--	0.033	4.8 G	--	--	--	--	--	--
PCB-139			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-139/140			--	--	0.21 J	0.040 J	1.6	0.0088 J	< 1.3 U	0.36 J	5.6 G	0.28 G	0.18 G	3.2	--	--	--	< 0.043 U	1.4 G	--	--	--	--	--	--
PCB-14			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-141			--	--	1.7	0.37	14 G	0.086	58 E	2.7	47 G	2.3 G	1.5 G	34 G	--	--	--	0.093	12 G	--	--	--	--	--	--
PCB-142			--	--	< 0.49 U	< 0.24 U	< 0.52 U	< 0.023 U	150 E	< 0.46 U	< 1.5 U	< 0.076 U	< 0.055 U	< 0.80 U	--	--	--	< 0.022 U	< 0.32 U	--	--	--	--	--	--
PCB-144			--	--	0.33 J	0.075 J	2.3 G	0.011 J	250 E	0.40 J	10 G	0.44 G	0.29 G	4.8 G	--	--	--	< 0.022 U	1.8 G	--	--	--	--	--	--
PCB-145			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.97 U	< 0.46 U	< 1.0 U	< 0.053 U	< 0.039 U	< 0.56 U	--	--	--	< 0.022 U	< 0.21 U	--	--	--	--	--	--
PCB-146			--	--	1.1	0.23 J	8.9 G	0.051	51 E	2.4	38 G	1.8 G	1.1 G	23 G	--	--	--	0.065	9.9 G	--	--	--	--	--	--
PCB-147			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-147/149			--	--	5.8 B	1.2 B	47 B	0.27 B	< 1.3 U	12 B	180 BE	8.5 B	5.3 B	120 BE	--	--	--	0.33	48 E	--	--	--	--	--	--
PCB-148			--	--	< 0.49 U	< 0.24 U	< 0.48 U	< 0.023 U	< 1.3 U	< 0.46 U	< 1.4 U	< 0.070 U	< 0.051 U	< 0.74 U	--	--	--	< 0.022 U	< 0.29 U	--	--	--	--	--	--
PCB-15			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	1.7	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.098 q	--	--	--	--	--	--
PCB-150			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.91 U	< 0.46 U	< 0.98 U	< 0.050 U	< 0.036 U	< 0.52 U	--	--	--	< 0.022 U	< 0.19 U	--	--	--	--	--	--
PCB-152			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.98 U	< 0.46 U	< 1.1 U	< 0.053 U	< 0.039 U	< 0.56 U	--	--	--	< 0.022 U	< 0.2 U	--	--	--	--	--	--
PCB-153			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-153/168			--	--	6.3 B	1.2 B	50 B	0.29 B	260 BE	12 B	210 BE	10 B	5.8 B	130 BE	--	--	--	0.36	54 E	--	--	--	--	--	--
PCB-154			--	--	0.072 J	< 0.24 U	0.61	< 0.023 U	< 1.2 U	< 0.46 U	2.5 G	0.10 G	0.050 G	1.1 G	--	--	--	< 0.022 U	0.57 G	--	--	--	--	--	--
PCB-155			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.82 U	< 0.46 U	< 0.89 U	< 0.063 U	< 0.046 U	< 0.47 U	--	--	--	< 0.022 U	< 0.2 U	--	--	--	--	--	--
PCB-155L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156			--	--	1.4 B	0.37 B	13 B	0.096 B	72 B	3.2 B	43 B	2.9 B	1.8 B	24 B	--	--	--	--	--	--	--	--	--	--	--
PCB-156/157			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.091	13 G	--	--	--	--	--	--
PCB-156L/157L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-158			--	--	1.3	0.28	10	0.067	60 E	2.7	37 G	2.0 G	1.2 G	23 G	--	--	--	0.07	9.6 G	--	--	--	--	--	--
PCB-159			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	1.0 G	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.08 U	--	--	--	--	--	--
PCB-15L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-16			--	--	< 0.49 U	< 0.24 U	0.64	0.0042 J	4.3	0.16 J	0.77	0.020 J	0.020 J	0.18 J	--	--	--	< 0.022 U	0.24	--	--	--	--	--	--
PCB-160			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	470 E	< 0.46 U	< 1.4 U	< 0.068 U	< 0.050 U	< 0.72 U	--	--	--	< 0.022 U	< 0.25 U	--	--	--	--	--	--
PCB-161			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	38 G	< 0.46 U	< 1.1 U	< 0.056 U	< 0.041 U	< 0.59 U	--	--	--	< 0.022 U	< 0.22 U	--	--	--	--	--	--
PCB-162			--	--	0.053 J	< 0.24 U	0.37 J	< 0.023 U	2.2 G	0.12 J	1.5	0.097	0.06	1.2	--	--	--	< 0.022 U	0.21 G	--	--	--	--	--	--
PCB-164			--	--	0.67	0.14 J	5.3	0.033	31 G	1.5	22 G	1.1 G	0.67 G	13 G	--	--	--	0.041	5.7 G	--	--	--	--	--	--
PCB-165			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 1.2 U	< 0.46 U	< 1.3 U	< 0.065 U	< 0.048 U	< 0.69 U	--	--	--	< 0.022 U	< 0.26 U	--	--	--	--	--	--
PCB-167			--	--	0.45	0.11	3.4 G	0.026	20 G	0.96	13 G	0.89 G	0.53 G	7.6 G	--	--	--	0.028	3.9 G	--	--	--	--	--	--
PCB-167L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-169			--	--	< 0.049 U	< 0.024 U	< 0.21 U	< 0.0034 U	< 0.85 U	< 0.046 U	< 0.80 U	< 0.020 U	< 0.012 U	< 0.39 U	--	--	--	< 0.0022 U	< 0.11 U	--	--	--	--	--	--
PCB-169L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-17			--	--	< 0.49 U	< 0.24 U	0.56 B	0.0040 JB	3.8 B	0.15 JB	0.83 B	0.019 JB	0.017 JB	0.16 JB	--	--	--	< 0.022 U	0.38	--	--	--	--	--	--
PCB-170			--	--	1.3	0.38	8.7	0.09	53 E	3	33	2.7	1.6	32	--	--	--	0.086	11	--	--	--	--	--	--
PCB-171			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-171/173			--	--	0.42 J	0.10 J	3	0.025 J	17	1	11	0.8	0.49	11	--	--	--	< 0.043 U	3.3	--	--	--	--	--	--
PCB-172			--	--	0.20 J	0.058 J	1.2	0.012 J	7.6	0.49	4.8	0.37	0.22	5.3	--	--	--	< 0.022 U	1.5	--	--	--	--	--	--
PCB-174			--	--	1	0.29	6.8	0.063	41	2.7	28	1.9	1.1	32	--	--	--	0.07	8.7	--	--	--	--	--	--
PCB-175			--	--	0.044 J	0.010 J	0.33 J	0.0019 J	2	0.12 J	1.3	0.07	0.043	1.4	--	--	--	< 0.022 U	0.36	--	--	--	--	--	--
PCB-176			--	--	0.11 J	0.024 J	0.83	0.0048 J	4.8	0.29 J	3.2	0.17	0.099	3.8	--	--	--	< 0.022 U	0.87	--	--	--	--	--	--
PCB-177			--	--	0.58	0.17 J	3.9	0.036	23	1.5	16	1.1	0.67	18	--	--	--	0.038	5.1	--	--	--	--	--	--
PCB-178			--	--	0.15 J	0.031 J	0.98	0.0066 J	6.2	0.42 J	4.8	0.24	0.14	5.3	--	--	--	< 0.022 U	1.5	--	--	--	--	--	--
PCB-179			--	--	0.33 J	0.066 J	2.2	0.014 J	13	0.87	9.6	0.5	0.27	12	--	--	--	< 0.022 U	2.6	--	--	--	--	--	--
PCB-18			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-18/30			--	--	0.019 J	0.011 J	1.3	0.0081 J	9.1	0.35 J	1.9	0.043 J	0.035 J	0.45 J	--	--	--	< 0.043 U	0.44	--	--	--	--	--	--
PCB-180			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-180/193			--	--	2.0 B	0.63 B	13 B	0.14 B	86 B	5.5 B	55 B	4.1 B	2.5 B	63 B	--	--	--	0.14	17	--	--	--	--	--	--
PCB-181			--	--	0.024 J	< 0.24 U	0.23 J	< 0.023 U	1.0 Q	< 0.46 U	0.71	0.049	0.036	< 0.47 U	--	--	--	< 0.022 U	0.2	--	--	--	--	--	--
PCB-182			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	0.011 J	0.0068 J	< 0.47 U	--	--	--	< 0.022 U	0.067	--	--	--	--	--	--
PCB-183			--	--	0.55	0.14 J	3.6	0.031	26	1.4	14	1	0.61	16	--	--	--	0.036	4.2	--	--	--	--	--	--
PCB-184			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-185			--	--	0.096 J	0.042 J	0.75	0.0048 J	38	0.26 J	2.9	0.14	0.084	3.6	--	--	--	< 0.022 U	0.57	--	--	--	--	--	--
PCB-186			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-187			--	--	0.89 B	0.20 JB	5.9 B	0.039 B	37 B	2.5 B	29 B	1.4 B	0.87 B	32 B	--	--	--	0.053	7.9	--	--	--	--	--	--
PCB-188			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-188L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-189			--	--	0.063	0.020 J	0.38	0.0053	2.4	0.12	1.4	0.1	0.062	1.3	--	--	--	0.0036	0.41	--	--	--	--	--	--
PCB-189L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-19			--	--	< 0.49 U	< 0.24 U	0.19 J	0.0014 J	0.82	0.039 J	0.14 J	0.0061 J	0.0072 J	0.055 J	--	--	--	< 0.022 U	0.15	--	--	--	--	--	--
PCB-190			--	--	0.22 J	0.075 J	1.5	0.018 J	9.6	0.55	6	0.48	0.28	6.3	--	--	--	< 0.022 U	1.8	--	--	--	--	--	--
PCB-191			--	--	0.065 J	0.029 J	0.36 J	0.0092 J	2.5	0.15 J	1.3 Q	0.11	0.064	1.5	--	--	--	< 0.022 U	0.42	--	--	--	--	--	--
PCB-192			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-199	SB-199	SB-200	SB-200	SB-201	SB-201	SB-202	SB-203	SB-204	SB-205	SB-206	SB-207	SB-208	SB-208	SB-209	SB-F12	SB-F14	SB-F15	SB-F27	SB-F27	SB-F3	SB-F4	SB-F6
Sample ID			SB-199 (0-2')	DUP-02 (0-2')	SB-200 (0-2')	SB-200 (2-4')	SB-201 (0-2')	SB-201 (2-4")	SB-202 (0-2')	SB-203 (0-2')	SB-204 (0-2')	SB-205 (0-2')	SB-206 (0-2')	SB-207 (0-2')	SB-208(0-2')	SB-208(2-4')	SB-209(0-2')	SB-F12 (0-1) (2014)	SB-F14 (0-1) (2014)	SB-F15 (0-1) (2014)	SB-F27 (0-1) (2014)	SB-F27 (1-3) (2014)	SB-F3 (0-1) (2014)	SB-F4 (0-1) (2014)	SB-F6 (0-1) (2014)
Sample Date			08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/14/2015	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/20/2014	08/19/2014	08/19/2014
Sample Type			N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PCB-194			--	--	0.21 J	0.11 J	1.3	0.023	9.5	0.58	6.9	0.53	0.29	8.4	--	--	--	< 0.022 U	1.7	--	--	--	--	--	--
PCB-195			--	--	0.080 J	0.034 J	0.53	0.0072 J	3.9	0.26 J	2.6	0.21	0.1	3.8	--	--	--	< 0.022 U	0.69	--	--	--	--	--	--
PCB-196			--	--	0.15 J	0.038 J	0.95	0.0088 J	6.3	0.43 J	5.2	0.26	0.15	5.8	--	--	--	< 0.022 U	1.3	--	--	--	--	--	--
PCB-197			--	--	0.0084 J	< 0.24 U	0.065 J	0.00041 J	0.40 J	0.027 J	0.32 J	0.016 J	0.0085 J	0.36 J	--	--	--	< 0.022 U	0.077	--	--	--	--	--	--
PCB-198			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-198/199			--	--	0.29 J	0.072 J	1.9	0.019 J	13	0.86 J	12	0.51	0.4	11	--	--	--	< 0.043 U	3	--	--	--	--	--	--
PCB-19L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-1L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-2			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	0.0030 J	0.16	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-20			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-20/28			--	--	0.022 JB	0.013 JB	1.6 B	0.012 JB	10 B	0.52 JB	3.4 B	0.077 B	0.038 JB	0.44 JB	--	--	--	< 0.043 U	1.5	--	--	--	--	--	--
PCB-200			--	--	0.040 J	0.0058 J	0.25 J	0.0020 J	1.6	0.11 J	1.5	0.06	0.041	1.6	--	--	--	< 0.022 U	0.38	--	--	--	--	--	--
PCB-201			--	--	0.039 J	< 0.24 U	0.25 J	0.0020 J	1.6	0.11 J	1.5	0.058	0.042	1.4	--	--	--	< 0.022 U	0.37	--	--	--	--	--	--
PCB-202			--	--	0.045 J	0.017 J	0.32 J	0.0033 J	1.8	0.13 J	2.1	0.085	0.082	1.6	--	--	--	< 0.022 U	0.53	--	--	--	--	--	--
PCB-202L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-203			--	--	0.20 J	0.058 J	1.3	0.013 J	8.5	0.53	7.9	0.34	0.25	7.1	--	--	--	< 0.022 U	1.9	--	--	--	--	--	--
PCB-204			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-205			--	--	0.018 J	< 0.24 U	0.099 J	0.0028 J	0.76	0.050 J	0.50 Q	0.031	0.013 J	0.65	--	--	--	< 0.022 U	0.12	--	--	--	--	--	--
PCB-205L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-206			--	--	0.14 J	0.062 J	1.1	0.018 J	4.7	0.29 J	5	0.19	0.27	2.5	--	--	--	< 0.022 U	1.2	--	--	--	--	--	--
PCB-206L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-207			--	--	0.011 J	< 0.24 U	0.13 J	0.0013 J	0.55	0.031 J	0.68	0.023	0.028	0.35 J	--	--	--	< 0.022 U	0.15	--	--	--	--	--	--
PCB-208			--	--	0.028 J	0.0064 J	0.33 J	0.0052 J	1.2	0.066 J	1.3	0.049	0.087	0.52	--	--	--	< 0.022 U	0.33	--	--	--	--	--	--
PCB-208L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-209L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-21			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-21/33			--	--	< 0.98 U	< 0.48 U	1	0.0062 J	6.2	0.28 J	5.6	0.1	0.024 J	0.32 J	--	--	--	< 0.043 U	0.68	--	--	--	--	--	--
PCB-22			--	--	< 0.49 U	< 0.24 U	0.62	0.0038 J	3.8	0.18 J	0.96	0.025	0.016 J	0.13 J	--	--	--	< 0.022 U	0.28 G	--	--	--	--	--	--
PCB-23			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.04 U	--	--	--	--	--	--
PCB-24			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	0.044 J	0.00098 J	0.00093 J	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-25			--	--	< 0.49 U	< 0.24 U	0.13 J	< 0.023 U	0.52 Q	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.15 G	--	--	--	--	--	--
PCB-26			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-26/29			--	--	< 0.98 U	< 0.48 U	0.21 J	0.0019 J	1.7	0.085 J	0.29 J	0.0074 J	0.0097 J	0.062 J	--	--	--	< 0.043 U	0.11	--	--	--	--	--	--
PCB-27			--	--	< 0.49 U	< 0.24 U	0.11 J	0.00061 J	0.68	0.035 J	0.14 J	0.0036 J	0.0034 J	0.031 J	--	--	--	< 0.022 U	0.055	--	--	--	--	--	--
PCB-3			--	--	< 0.49 U	< 0.24 U	0.0088 J	< 0.023 U	0.26 J	< 0.46 U	0.025 J	0.0040 J	0.039	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-31			--	--	0.021 JB	0.019 JB	1.7 B	0.011 JB	11 B	0.51 B	3.4 B	0.091 B	0.062 B	0.54 B	--	--	--	< 0.022 U	1.2 G	--	--	--	--	--	--
PCB-32			--	--	0.0074 JB	< 0.24 U	0.44 JB	0.0028 JB	2.7 B	0.13 JB	0.74 B	0.016 JB	0.012 JB	0.14 JB	--	--	--	< 0.022 U	0.87	--	--	--	--	--	--
PCB-34			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.042 U	--	--	--	--	--	--
PCB-35			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.05 G	--	--	--	--	--	--
PCB-36			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	0.94	< 0.46 U	0.74	0.021 J	0.014 J	0.12 J	--	--	--	< 0.022 U	0.4 G	--	--	--	--	--	--
PCB-37			--	--	< 0.49 U	< 0.24 U	0.37 J	< 0.023 U	< 0.48 U	0.21 J	1.5	0.039	0.016 J	0.23 J	--	--	--	< 0.022 U	0.34 G	--	--	--	--	--	--
PCB-37L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-38			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.046 U	--	--	--	--	--	--
PCB-39			--	--	< 0.49 U	0.0088 J	< 0.47 U	0.0034 J	< 0.48 U	0.096 J	1.6	< 0.023 U	< 0.023 U	0.37 J	--	--	--	< 0.022 U	< 0.043 U	--	--	--	--	--	--
PCB-3L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-4			--	--	< 0.49 U	< 0.24 U	0.27 J	< 0.023 U	2.1	0.054 J	0.26 J	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.11 q	--	--	--	--	--	--
PCB-40			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-40/71			--	--	0.074 JB	0.057 JB	2.5 B	0.015 JB	< 0.96 U	0.72 JB	5.5 B	0.20 B	0.14 B	1.6 B	--	--	--	< 0.043 U	3.8	--	--	--	--	--	--
PCB-41			--	--	< 0.49 U	< 0.24 U	0.22 J	< 0.023 U	< 0.49 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.067 G	--	--	--	--	--	--
PCB-42			--	--	< 0.49 U	0.022 JB	1.2 B	0.0075 JB	5.4 B	0.35 JB	3.2 B	0.091 B	0.058 B	0.47 B	--	--	--	< 0.022 U	2.1 G	--	--	--	--	--	--
PCB-43			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.14 G	--	--	--	--	--	--
PCB-44			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65			--	--	0.63 JB	0.27 JB	14 B	0.083 B	69 B	3.6 B	39 B	1.4 B	1.1 B	12 B	--	--	--	0.096	19	--	--	--	--	--	--
PCB-45			--	--	< 0.49 U	< 0.24 U	0.51	0.0043 J	2.9 G	0.12 J	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.089 G	--	--	--	--	--	--
PCB-46			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.50 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.54 G	--	--	--	--	--	--
PCB-48			--	--	0.024 J	0.019 J	0.87	0.0052 J	3.7	0.24 J	1.8	0.046	0.04	0.35 J	--	--	--	< 0.022 U	0.38 G	--	--	--	--	--	--
PCB-49			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-49/69			--	--	0.34 JB	0.14 JB	7.1 B	0.041 JB	34 B	1.7 B	24 B	0.73 B	0.46 B	5.7 B	--	--	--	0.07	12	--	--	--	--	--	--
PCB-4L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-5			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-50			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-50/53			--	--	0.042 JB	0.016 JB	0.84 JB	0.0057 JB	4.1 B	0.24 JB	1.9 B	0.072 B	0.060 B	0.59 JB	--	--	--	< 0.043 U	2.5	--	--	--	--	--	--
PCB-51			--	--	< 0.49 U	< 0.24 U	0.14 JB	< 0.023 U	< 0.48 U	0.035 JB	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	1.4 G	--	--	--	--	--	--
PCB-52			--	--	2.1 B	0.79 B	40 B	0.24 B	200 BE	9.8 B	110 BE	4.3 B	3.5 B	38 B	--	--	--	0.2	38 E	--	--	--	--	--	--
PCB-54			--	--	< 0.49 U	< 0.24 U	0.0074 JB	< 0.023 U	0.029 JB	< 0.46 U	0.019 JB	0.00062 JB	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.17	--	--	--	--	--	--
PCB-54L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-55			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.73 U	< 0.46 U	< 0.49 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.099 U	--	--	--	--	--	--
PCB-56			--	--	0.17 J	0.087 J	3.3	0.020 J	< 0.90 U	0.22 J	9.7 G	0.42	0.26	2.9	--	--	--	< 0.022 U	2.8	--	--	--	--	--	--
PCB-57			--	--	< 0.49 U	< 0.24 U	1.3	0.010 J	< 0.85 U	< 0.46 U	5.6 G	0.19	0.12	1.6	--	--	--	< 0.022 U	< 0.097 U	--	--	--	--	--	--
PCB-58			--	--	< 0.49 U	0.033 J	< 0.47 U	< 0.023 U	< 0.83 U	0.21 J	< 0.55 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.098 U	--	--	--	--	--	--
PCB-59			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75			--	--	< 1.5 U	< 0.72 U	0.35 JB	0.0023 JB	1.3 JB	0.12 JB	1.2 JB	< 0.069 U	< 0.068 U	< 1.4 U	--	--	--	< 0.065 U	0.37	--	--	--	--	--	--
PCB-6			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	0.97	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.034 q	--	--	--	--	--	--
PCB-60			--	--	< 0.49 U	0.034 J	1.1	0.0069 J	< 0.80 U	0.76	3.4 G	0.15	0.094	< 0.47 U	--	--	--	< 0.022 U	0.85 G	--	--	--	--	--	--
PCB-61			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76			--	--	1.7 JB	0.65 JB	32 B	0.18 B	< 1.9 U	6.9 B	100 B	3.8 B	2.5 B	28 B	--	--	--	0.15	31	--	--	--	--	--	--
PCB-63			--	--	< 0.49 U	< 0.24 U	0.24 JB	< 0.023 U	31 B	0.075 JB	1.1 B	0.034 B	0.020 JB	< 0.47 U	--	--	--	< 0.022 U	0.14 G	--	--	--	--	--	--
PCB-64			--	--	< 0.49 U	0.061 J	3.4	0.019 J	< 0.48 U	0.76	13	0.39	0.27	1.9 Q	--	--	--	< 0.022 U	2.2	--	--	--	--	--	--
PCB-66			--	--	0.54 B	0.23 JB	8.9 B	0.050 B	< 0.94 U	2.4 B	37 B	1.2 B	0.59 B	7.7 B	--	--	--	0.059	13	--	--	--	--	--	--
PCB-67			--	--	0.056 J	< 0.24 U	< 0.47 U	< 0.023 U	140 E	< 0.46 U	< 0.51 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.091 U	--	--	--	--	--	--
PCB-68			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.75 U	< 0.46 U	< 0.50 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.16 G	--	--	--	--	--	--
PCB-7			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-72			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.81 U	< 0.46 U	0.56 G	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.23 G	--	--	--	--	--	--
PCB-73			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	< 0.48 U	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-77			--	--	0.13	0.024	0.89 G	0.0072	2.6 G	0.51	4.3 G	0.14 G	0.070 G	1.9 G	--	--	--	0.0072	1.5 G	--	--	--	--	--	--
PCB-77L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-78			--	--	0.028 J	< 0.24 U	0.28 J	0.0024 J	< 0.91 U	0.068 J	0.92 G	0.058	0.032	0.44 J	--	--	--	< 0.022 U	< 0.11 U	--	--	--	--	--	--
PCB-79			--	--	0.096 J	0.043 J	1.3	0.0094 J	2.1 G	0.27 J	< 0.57 U	0.19	0.12	1.5	--	--	--	< 0.022 U	0.95 G	--	--	--	--	--	--
PCB-8			--	--	< 0.49 U	< 0.24 U	0.54 Q	< 0.023 U	4.6	< 0.46 U	0.84	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	0.17	--	--	--	--	--	--
PCB-80			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	6.0 G	< 0.46 U	< 0.51 U	< 0.023 U	< 0.023 U	0.15 J	--	--	--	< 0.022 U	< 0.092 U	--	--	--	--	--	--
PCB-81			--	--	< 0.049 U	< 0.024 U	0.32 G	0.0023	2.8 G	0.083	0.86 G	0.046 G	0.034 G	0.40 G	--	--	--	< 0.0022 U	< 0.12 U	--	--	--	--	--	--
PCB-81L			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-82			--	--	0.89	0.32	9.1 G	0.071	< 8.2 U	1.9	23 G	1.3 G	1.0 G	10 G	--	--	--	0.058	8.1 G	--	--	--	--	--	--
PCB-83			--	--	0.23 J	< 0.24 U	2.9 G	0.020 J	< 9.7 U	0.65	11 G	0.57 G	0.44 G	4.0 G	--	--	--	0.022	2.6 G	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-199	SB-199	SB-200	SB-200	SB-201	SB-201	SB-202	SB-203	SB-204	SB-205	SB-206	SB-207	SB-208	SB-208	SB-209	SB-F12	SB-F14	SB-F15	SB-F27	SB-F27	SB-F3	SB-F4	SB-F6
Sample ID			SB-199 (0-2')	DUP-02 (0-2')	SB-200 (0-2')	SB-200 (2-4')	SB-201 (0-2')	SB-201 (2-4")	SB-202 (0-2')	SB-203 (0-2')	SB-204 (0-2')	SB-205 (0-2')	SB-206 (0-2')	SB-207 (0-2')	SB-208(0-2')	SB-208(2-4')	SB-209(0-2')	SB-F12 (0-1) (2014)	SB-F14 (0-1) (2014)	SB-F15 (0-1) (2014)	SB-F27 (0-1) (2014)	SB-F27 (1-3) (2014)	SB-F3 (0-1) (2014)	SB-F4 (0-1) (2014)	SB-F6 (0-1) (2014)
Sample Date			08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/14/2015	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/20/2014	08/19/2014	08/19/2014
Sample Type			N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PCB-84			--	--	1.3 B	0.43 B	18 B	0.12 B	98 BE	4.3 B	49 B	2.7 B	2.0 B	21 B	--	--	--	0.12	18 G	--	--	--	--	--	--
PCB-85			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117			--	--	1.1 JB	0.27 JB	11 B	0.073 B	520 BE	2.6 B	34 B	2.4 B	1.3 B	16 B	--	--	--	0.065	12 G	--	--	--	--	--	--
PCB-86			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125			--	--	4.1 B	1.3 JB	52 B	0.34 B	180 B	12 B	160 B	8.2 B	6.1 B	64 B	--	--	--	0.34	50	--	--	--	--	--	--
PCB-88			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-88/91			--	--	0.75 JB	0.19 JB	7.4 B	0.051 B	36 B	1.6 B	24 B	1.3 B	0.79 B	11 B	--	--	--	0.051	9.5 G	--	--	--	--	--	--
PCB-89			--	--	< 0.49 U	< 0.24 U	< 1.1 U	< 0.023 U	< 7.9 U	< 0.46 U	< 3.9 U	< 0.16 U	< 0.085 U	< 2.0 U	--	--	--	< 0.022 U	< 0.72 U	--	--	--	--	--	--
PCB-9			--	--	< 0.49 U	< 0.24 U	< 0.47 U	< 0.023 U	0.31 J	< 0.46 U	< 0.47 U	< 0.023 U	< 0.023 U	< 0.47 U	--	--	--	< 0.022 U	< 0.023 U	--	--	--	--	--	--
PCB-90			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113			--	--	6.0 B	1.9 B	70 B	0.48 B	350 BE	16 B	230 BE	12 B	8.7 B	99 B	--	--	--	0.5	77 G	--	--	--	--	--	--
PCB-92			--	--	< 0.49 U	0.32 B	7.4 B	0.074 B	< 7.5 U	< 0.46 U	44 B	2.4 B	1.6 B	< 1.9 U	--	--	--	0.096	15 G	--	--	--	--	--	--
PCB-93			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-93/100			--	--	< 0.98 U	< 0.48 U	< 1.1 U	< 0.047 U	150 BE	< 0.91 U	< 3.7 U	< 0.15 U	< 0.079 U	< 1.8 U	--	--	--	< 0.043 U	< 0.65 U	--	--	--	--	--	--
PCB-94			--	--	< 0.49 U	< 0.24 U	< 1.1 U	< 0.023 U	< 7.7 U	< 0.46 U	< 3.8 U	< 0.16 U	< 0.083 U	< 1.9 U	--	--	--	< 0.022 U	< 0.68 U	--	--	--	--	--	--
PCB-95			--	--	2.1 B	0.90 B	47 B	0.32 B	< 7.5 U	7.8 B	160 BE	7.1 B	4.5 B	53 B	--	--	--	0.25	54 G	--	--	--	--	--	--
PCB-96			--	--	0.026 J	0.0050 J	0.33 J	0.0026 J	1.9	0.073 J	0.81	0.037	0.028	0.45 J	--	--	--	< 0.022 U	0.33	--	--	--	--	--	--
PCB-98			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-98/102			--	--	< 0.98 U	< 0.48 U	< 0.96 U	< 0.047 U	< 6.6 U	0.31 J	< 3.3 U	0.18 G	< 0.072 U	< 1.7 U	--	--	--	< 0.043 U	< 0.6 U	--	--	--	--	--	--
PCB-99			--	--	2.9 B	0.79 B	30 B	0.19 B	< 6.8 U	6.9 B	110 BE	5.7 B	3.4 B	49 BE	--	--	--	0.22	37 G	--	--	--	--	--	--
Polychlorinated biphenyls	**1550**	1550	--	--	96	25	980	6.4	**6000**	240	**3400**	180	110	**1800**	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																									
1,1-Biphenyl	**1000**	1000	12 J	12 J	--	--	--	--	--	--	--	--	--	--	< 36 U	< 180 U	< 37 U	--	--	--	--	--	--	< 17000 U	--
1,2,4,5-Tetrachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	1050	1050	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Acetylaminofluorene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	3800	4100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Aminobiphenyl			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	3800	8000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroquinoline-N-Oxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-Nitro-o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	130000	130000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	2000	2000	--	--	--	--	--	--	--	--	--	< 76 U	< 380 U	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	500000	1009000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aramite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	1640	1640	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	5000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	5000	46000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl Alcohol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	50000	50000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzyl phthalate	50000	218540	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	5000	141000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diallate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	2000	5000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	1000	1900	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-199	SB-199	SB-200	SB-200	SB-201	SB-201	SB-202	SB-203	SB-204	SB-205	SB-206	SB-207	SB-208	SB-208	SB-209	SB-F12	SB-F14	SB-F15	SB-F27	SB-F27	SB-F3	SB-F4	SB-F6
Sample ID			SB-199 (0-2')	DUP-02 (0-2')	SB-200 (0-2')	SB-200 (2-4')	SB-201 (0-2')	SB-201 (2-4")	SB-202 (0-2')	SB-203 (0-2')	SB-204 (0-2')	SB-205 (0-2')	SB-206 (0-2')	SB-207 (0-2')	SB-208(0-2')	SB-208(2-4')	SB-209(0-2')	SB-F12 (0-1) (2014)	SB-F14 (0-1) (2014)	SB-F15 (0-1) (2014)	SB-F27 (0-1) (2014)	SB-F27 (1-3) (2014)	SB-F3 (0-1) (2014)	SB-F4 (0-1) (2014)	SB-F6 (0-1) (2014)
Sample Date			08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/14/2015	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/20/2014	08/19/2014	08/19/2014
Sample Type			N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Dinoseb			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disulfoton			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	360000	360000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Formaldehyde	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	5000	15000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isosafrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methapyrilene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl parathion			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-butylamine	1000	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitroso-N-methylethylamine	680	1000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	110000	110000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	500000	500000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/kg)																									
1,1,1,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3-Trichloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	7000	7000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlor-1,3-Butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	200000	200000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	20000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	100	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 120 U	--	< 87 U	< 95 U	--	--	--
Acrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Allyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	400000	400000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	300000	300000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	70000	70000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-199	SB-199	SB-200	SB-200	SB-201	SB-201	SB-202	SB-203	SB-204	SB-205	SB-206	SB-207	SB-208	SB-208	SB-209	SB-F12	SB-F14	SB-F15	SB-F27	SB-F27	SB-F3	SB-F4	SB-F6
Sample ID			SB-199 (0-2')	DUP-02 (0-2')	SB-200 (0-2')	SB-200 (2-4')	SB-201 (0-2')	SB-201 (2-4")	SB-202 (0-2')	SB-203 (0-2')	SB-204 (0-2')	SB-205 (0-2')	SB-206 (0-2')	SB-207 (0-2')	SB-208(0-2')	SB-208(2-4')	SB-209(0-2')	SB-F12 (0-1) (2014)	SB-F14 (0-1) (2014)	SB-F15 (0-1) (2014)	SB-F27 (0-1) (2014)	SB-F27 (1-3) (2014)	SB-F3 (0-1) (2014)	SB-F4 (0-1) (2014)	SB-F6 (0-1) (2014)
Sample Date			08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/13/2015	08/13/2015	08/13/2015	08/13/2015	08/14/2015	08/14/2015	08/14/2015	08/20/2014	08/20/2014	08/19/2014	08/19/2014	08/19/2014	08/20/2014	08/19/2014	08/19/2014
Sample Type			N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	14000	14000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	100000	100000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	1000000	1000000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	113	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	DS-9	DS-9	DS-9	DS-9	DS-9	EX-21	EX-21	EX-21	EX-22	EX-22	EX-22	EX-26	EX-26	EX-26	SB-122	SB-122	SB-122	SB-122	SB-126	SB-126	SB-126	SB-128	SB-128	SB-128	SB-128
Sample ID			DS-9-1 (0-2) (102417)	DS-9-2 (0-4) (102417)	DS-9-3 (0-4) (102417)	DS-9-4 (0-4) (102417)	DS-9-2A (12292017)	EX-21-1 (0-2) (102517)	EX-21-2 (0-2) (102517)	EX-21-1A (12292017)	EX-22-1 (0-2) (102517)	EX-22-2 (0-2) (102517)	EX-22-3 (0-2) (102517)	EX-26-1 (0-2) (102617)	EX-26-2 (0-2) (102617)	EX-26-3 (0-2) (102617)	SB-122-1 (0-1) (102617)	SB-122-2 (0-1) (102617)	SB-122-3 (0-1) (102617)	SB-122-4 (0-1) (102617)	SB-126-1 (0-1) (102417)	SB-126-2 (0-1) (102417)	SB-126-3 (0-1) (102417)	SB-128-1 (0-1) (102417)	SB-128-2 (0-1) (102417)	SB-128-3 (0-1) (102417)	SB-128-1A (12292017)
Sample Date			10/24/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017	10/25/2017	10/25/2017	12/29/2017	10/25/2017	10/25/2017	10/25/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Dioxins and Furans (µg/kg)																											
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ Dioxin/Furan WHO2005ND=0			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ WHO2005 ND=0.5	0.12	0.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ WHO2005 ND=DL			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCB TEQ			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxicity Equivalent ND =0			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/kg)																											
4,4-DDT	660	2800	--	--	--	--	--	--	--	--	--	--	--	--	--	--	43 p	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2.2 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2.2 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2.2 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																											
Aroclor 1254	**1550**	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1200	1400	900	270	--	--	--	--	--	--	--
Aroclor 1260	1550	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 42 U	< 41 U	< 38 U	< 37 U	--	--	--	--	--	--	--
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Location ID	Type 1/2 RRS	Type 3/4 RRS	DS-9	DS-9	DS-9	DS-9	DS-9	EX-21	EX-21	EX-21	EX-22	EX-22	EX-22	EX-26	EX-26	EX-26	SB-122	SB-122	SB-122	SB-122	SB-126	SB-126	SB-126	SB-128	SB-128	SB-128	SB-128
Sample ID			DS-9-1 (0-2) (102417)	DS-9-2 (0-4) (102417)	DS-9-3 (0-4) (102417)	DS-9-4 (0-4) (102417)	DS-9-2A (12292017)	EX-21-1 (0-2) (102517)	EX-21-2 (0-2) (102517)	EX-21-1A (12292017)	EX-22-1 (0-2) (102517)	EX-22-2 (0-2) (102517)	EX-22-3 (0-2) (102517)	EX-26-1 (0-2) (102617)	EX-26-2 (0-2) (102617)	EX-26-3 (0-2) (102617)	SB-122-1 (0-1) (102617)	SB-122-2 (0-1) (102617)	SB-122-3 (0-1) (102617)	SB-122-4 (0-1) (102617)	SB-126-1 (0-1) (102417)	SB-126-2 (0-1) (102417)	SB-126-3 (0-1) (102417)	SB-128-1 (0-1) (102417)	SB-128-2 (0-1) (102417)	SB-128-3 (0-1) (102417)	SB-128-1A (12292017)
Sample Date			10/24/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017	10/25/2017	10/25/2017	12/29/2017	10/25/2017	10/25/2017	10/25/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
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PCB-48			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-49/69			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-5			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-50/53			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-51			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-52			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-54			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-55			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-56			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-57			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-58			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-6			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-60			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-63			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-64			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-66			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-67			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-68			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-7			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-72			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Location ID	Type 1/2 RRS	Type 3/4 RRS	DS-9	DS-9	DS-9	DS-9	DS-9	EX-21	EX-21	EX-21	EX-22	EX-22	EX-22	EX-26	EX-26	EX-26	SB-122	SB-122	SB-122	SB-122	SB-126	SB-126	SB-126	SB-128	SB-128	SB-128	SB-128
Sample ID			DS-9-1 (0-2) (102417)	DS-9-2 (0-4) (102417)	DS-9-3 (0-4) (102417)	DS-9-4 (0-4) (102417)	DS-9-2A (12292017)	EX-21-1 (0-2) (102517)	EX-21-2 (0-2) (102517)	EX-21-1A (12292017)	EX-22-1 (0-2) (102517)	EX-22-2 (0-2) (102517)	EX-22-3 (0-2) (102517)	EX-26-1 (0-2) (102617)	EX-26-2 (0-2) (102617)	EX-26-3 (0-2) (102617)	SB-122-1 (0-1) (102617)	SB-122-2 (0-1) (102617)	SB-122-3 (0-1) (102617)	SB-122-4 (0-1) (102617)	SB-126-1 (0-1) (102417)	SB-126-2 (0-1) (102417)	SB-126-3 (0-1) (102417)	SB-128-1 (0-1) (102417)	SB-128-2 (0-1) (102417)	SB-128-3 (0-1) (102417)	SB-128-1A (12292017)
Sample Date			10/24/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017	10/25/2017	10/25/2017	12/29/2017	10/25/2017	10/25/2017	10/25/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
PCB-73			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-77			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-78			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-79			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-8			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-80			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-81			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-82			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-83			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-84			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-88/91			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-89			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-9			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-92			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-93/100			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-94			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-95			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-96			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-98/102			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-99			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Polychlorinated biphenyls	**1550**	1550	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1200	1400	900	270	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/kg)																											
1,1-Biphenyl	**1000**	1000	91	**2500**	160	130	110	**1500**	100 J	< 190 U	13 J	12 J	13 J	31 J	< 380 U	< 37 U	--	--	--	--	890	170	190	**1200000**	530	270	**210000**

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS

Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram

Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-128	SB-128	SB-137	SB-137	SB-142	SB-142	SB-142	SB-142	SB-159	SB-159	SB-159	SB-159	SB-165	SB-165	SB-168	SB-168	SB-168	SB-189	SB-189	SB-189	SB-198	SB-198	SB-202	SB-202	SB-202
Sample ID			DUP-2	SB-128-3B	SB-137-1 (0-1)	SB-137-1A	SB-142-1 (0-1)	SB-142-2 (0-1)	SB-142-3 (0-1)	DUP-2	SB-159-1 (0-2)	SB-159-2 (0-2)	SB-159-3 (0-2)	SB-159-1A	SB-165-1 (0-2)	SB-165-2 (0-2)	SB-168-1 (0-2)	SB-168-2 (0-2)	SB-168-3 (0-2)	SB-189-1 (0-2)	SB-189-2 (0-2)	SB-189-3 (0-2)	SB-198-1 (0-2)	SB-198-2 (0-2)	SB-202-1 (0-2)	SB-202-2 (0-2)	DUP-1
Sample Date			(12292017) 12/29/2017	(12292017) 12/29/2017	(102417) 10/24/2017	(12292017) 12/29/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102417) 10/24/2017	(102417) 10/24/2017	(102417) 10/24/2017	(12292017) 12/29/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102417) 10/24/2017	(102417) 10/24/2017	(102417) 10/24/2017
Sample Type			FD	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Dioxins and Furans (µg/kg)																											
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.0014 U	< 0.023 U	< 0.0012 U
TEQ Dioxin/Furan WHO2005ND=0			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.015	0.022	0.0079
TEQ WHO2005 ND=0.5	0.12	0.44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ WHO2005 ND=DL			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCB TEQ			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0051	0.011	0.0035
Toxicity Equivalent ND =0			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02	0.033	0.011
Pesticides (µg/kg)																											
4,4-DDT	660	2800	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2.0 U	< 1.9 U	< 1.9 U
Endrin	10000	10000	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2.0 U	< 1.9 U	< 1.9 U
Endrin aldehyde	10000	10000	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2.0 U	< 1.9 U	< 1.9 U
Methoxychlor	10000	28000	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2.0 U	< 1.9 U	< 1.9 U
Polychlorinated Biphenyls (µg/kg)																											
Aroclor 1254	**1550**	1550	--	--	**4400**	**3700**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1700**	1100	770
Aroclor 1260	1550	1550	--	--	< 39 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 38 U	< 36 U	< 37 U
Aroclor 1262			--	--	< 39 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 38 U	< 36 U	< 37 U
Aroclor 1268			--	--	< 39 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 38 U	< 36 U	< 37 U
Decachlorobiphenyl			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.40 B	0.55 JB	0.43 B
PCB-1			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0093 J	0.074 J	0.032
PCB-10			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	< 1.2 U	< 0.024 U
PCB-103			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.3 U	< 2.0 U	< 1.0 U
PCB-104			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0041 J	< 1.2 U	0.0042 J
PCB-105			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	39 G	94 G	36 G
PCB-106			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.1 U	< 1.8 U	< 0.91 U
PCB-107/124			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.7 G	8.8	4.3 G
PCB-109			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.9 G	14 G	6.2 G
PCB-11			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.012 J	< 1.2 U	0.0096 J
PCB-110/115			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150 G	320 B	68 B
PCB-111			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.1 U	< 1.7 U	< 0.86 U
PCB-112			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.1 U	< 1.8 U	< 0.89 U
PCB-114			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 G	6.2 G	2.1 G
PCB-118			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	92 G	210 G	49 G
PCB-12/13			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.012 J	0.091 J	0.013 J
PCB-120			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	< 1.6 U	< 0.82 U
PCB-121			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	< 1.6 U	< 0.82 U
PCB-122			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4 G	< 1.9 U	1.4 G
PCB-123			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.1 U	2.9 G	1.4 G
PCB-126			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.9 U	< 2.0 U	< 1.2 U
PCB-127			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.1 U	< 1.8 U	< 0.91 U
PCB-128/166			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 G	49 B	20 G
PCB-129/138/163			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	150 EB	270 B	63 B
PCB-130			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10 G	19 G	8.6 G
PCB-131			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.0 G	3.9 G	1.9 G
PCB-132			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	45 G	87 G	38 G
PCB-133			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2 G	2.7 G	1.3 G
PCB-134/143			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7.3 G	13	6.5 G
PCB-135/151			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	33 G	16 B	24 G
PCB-136			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14 G	23 G	10 G
PCB-137			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.0 G	15 G	6.9 G
PCB-139/140			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 G	4.5	2.3 G
PCB-14			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	< 1.2 U	< 0.024 U
PCB-141			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14 G	36 G	11 G
PCB-142			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.65 U	< 2.1 U	< 0.27 U
PCB-144			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.5 G	< 1.8 U	3.6 G
PCB-145			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.41 U	< 1.4 U	< 0.17 U
PCB-146			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14 G	25 G	11 G
PCB-147/149			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	82 G	140 B	63 G
PCB-148			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.55 U	< 1.8 U	< 0.23 U
PCB-15			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.13	0.76 J	0.15
PCB-150			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.39 U	< 1.3 U	< 0.16 U
PCB-152			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.40 U	< 1.3 U	< 0.17 U
PCB-153/168			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	61 G	110 B	41 G
PCB-154			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.50 U	32 G	0.50 G
PCB-155			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.32 U	< 1.2 U	< 0.17 U
PCB-156			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22 G	41 G	19 G
PCB-158			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16 G	30 G	14 G
PCB-159			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.40 G	0.52 J	0.28 G
PCB-16			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.73	--	0.47
PCB-160			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.52 U	< 1.7 U	< 0.21 U
PCB-161			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.48 U	< 1.6 U	< 0.20 U
PCB-162			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.42 G	0.85 J	0.42 G
PCB-164			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.3 G	18 G	7.6 G
PCB-165			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.49 U	< 1.6 U	< 0.20 U
PCB-167			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.5 G	11 G	5.6 G
PCB-169			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.17 U	< 0.18 U	< 0.072 U
PCB-17			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.64	--	0.4
PCB-170			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18 EB	27 B	12 EB
PCB-171/173			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.1 E	9	4
PCB-172			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7 E	3.9	1.8
PCB-174			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18 EB	24 B	10 EB
PCB-175			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.64	1.0 J	0.42

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-128	SB-128	SB-137	SB-137	SB-142	SB-142	SB-142	SB-142	SB-159	SB-159	SB-159	SB-159	SB-165	SB-165	SB-168	SB-168	SB-168	SB-189	SB-189	SB-189	SB-198	SB-198	SB-202	SB-202	SB-202
Sample ID			DUP-2	SB-128-3B	SB-137-1 (0-1)	SB-137-1A	SB-142-1 (0-1)	SB-142-2 (0-1)	SB-142-3 (0-1)	DUP-2	SB-159-1 (0-2)	SB-159-2 (0-2)	SB-159-3 (0-2)	SB-159-1A	SB-165-1 (0-2)	SB-165-2 (0-2)	SB-168-1 (0-2)	SB-168-2 (0-2)	SB-168-3 (0-2)	SB-189-1 (0-2)	SB-189-2 (0-2)	SB-189-3 (0-2)	SB-198-1 (0-2)	SB-198-2 (0-2)	SB-202-1 (0-2)	SB-202-2 (0-2)	DUP-1
Sample Date			(12292017) 12/29/2017	(12292017) 12/29/2017	(102417) 10/24/2017	(12292017) 12/29/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102417) 10/24/2017	(102417) 10/24/2017	(102417) 10/24/2017	(12292017) 12/29/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102417) 10/24/2017	(102417) 10/24/2017	(102417) 10/24/2017
Sample Type			FD	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
PCB-176			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.7	2.2	0.93
PCB-177			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.5 E	12	5.5 E
PCB-178			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.7 E	3.4	1.4
PCB-179			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.0 E	7.1	2.9 E
PCB-18/30			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.9 B	--	1.0 B
PCB-180/193			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	33 EB	44 B	19 EB
PCB-181			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.28	0.56 J	0.26
PCB-182			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	0.15 J	0.057
PCB-183			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.1 EB	11 B	5.0 EB
PCB-184			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	< 1.2 U	< 0.024 U
PCB-185			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6 E	2.2	1.1
PCB-186			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	< 1.2 U	< 0.024 U
PCB-187			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15 EB	20 B	7.7 EB
PCB-188			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	< 1.2 U	0.010 J
PCB-189			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.71	1.1	0.48 q
PCB-19			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.18	0.53 J	0.14
PCB-190			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.2 EB	4.6 B	2.1 B
PCB-191			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.72	1.0 J	0.48
PCB-192			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	< 1.2 U	< 0.024 U
PCB-194			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.3 EB	5.4 B	2.5 EB
PCB-195			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3.2 E	2.4	1.3
PCB-196			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.1 E	3.6	1.6
PCB-197			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.34	0.28 J	0.15
PCB-198/199			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.6 E	7.4	3
PCB-2			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0030 J	0.0082 J	0.0041 J
PCB-20/28			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.3 B	--	1.3 B
PCB-200			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2	0.94 J	0.59 q
PCB-201			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.2	0.95 J	0.43 q
PCB-202			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4	1.1 J	0.63
PCB-203			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5.5 E	4.8	2.5 E
PCB-204			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	< 1.2 U	< 0.024 U
PCB-205			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.34	0.33 J	0.16
PCB-206			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.9 E	3.2	2.2
PCB-207			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.34	0.33 J	0.23
PCB-208			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.74	0.87 J	0.61
PCB-21/33			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 B	--	0.64 B
PCB-22			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.67 G	--	0.42
PCB-23			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.043 U	--	< 0.024 U
PCB-24			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	--	0.016 J
PCB-25			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.16 G	--	0.099
PCB-26/29			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.35	--	0.21
PCB-27			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.14	--	0.079
PCB-3			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0047 J	0.026 J	0.013 J
PCB-31			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.4 G	--	1.5 B
PCB-32			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.55	--	0.35
PCB-34			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.044 U	--	< 0.024 U
PCB-35			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.045 U	--	< 0.024 U
PCB-36			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.20 G	--	< 0.024 U
PCB-37			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.51 G	--	0.34 G
PCB-38			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.046 U	--	< 0.024 U
PCB-39			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.040 U	--	< 0.024 U
PCB-4			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.086	0.49 J	0.21 q
PCB-40/71			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.2 B	--	2.7 B
PCB-41			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.025 U	--	0.18 G
PCB-42			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4 B	--	1.0 G
PCB-43			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.025 U	--	< 0.028 U
PCB-44/47/65			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17 EB	--	15 EB
PCB-45			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4	--	0.69 G
PCB-46			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.44 G	--	0.21 G
PCB-48			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.5 B	--	0.81 B
PCB-49/69			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8.4 EB	--	7.6 EB
PCB-5			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	< 1.2 U	0.016 J
PCB-50/53			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4 B	--	0.95 B
PCB-51			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.29	--	0.11
PCB-52			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	40 EB	--	42 EB
PCB-54			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.017 J	0.040 J	0.0085 J
PCB-55			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.26 U	--	< 0.20 U
PCB-56			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.2 G	--	3.4 G
PCB-57			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.26 U	--	< 0.20 U
PCB-58			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.4 G	--	2.0 G
PCB-59/62/75			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.64	--	0.38
PCB-6			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.034	0.19 J	0.071
PCB-60			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.8 G	--	1.3 G
PCB-61/70/74/76			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	30 G	--	32 G
PCB-63			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.23 U	--	0.27 G
PCB-64			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4.2 EB	--	4.2 EB
PCB-66			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11 G	--	9.5 G
PCB-67			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.24 U	--	< 0.19 U
PCB-68			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.22 U	--	< 0.18 U
PCB-7			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	< 1.2 U	< 0.024 U
PCB-72			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.24 U	--	< 0.19 U

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-128	SB-128	SB-137	SB-137	SB-142	SB-142	SB-142	SB-142	SB-159	SB-159	SB-159	SB-159	SB-165	SB-165	SB-168	SB-168	SB-168	SB-189	SB-189	SB-189	SB-198	SB-198	SB-202	SB-202	SB-202
Sample ID			DUP-2	SB-128-3B	SB-137-1 (0-1)	SB-137-1A	SB-142-1 (0-1)	SB-142-2 (0-1)	SB-142-3 (0-1)	DUP-2	SB-159-1 (0-2)	SB-159-2 (0-2)	SB-159-3 (0-2)	SB-159-1A	SB-165-1 (0-2)	SB-165-2 (0-2)	SB-168-1 (0-2)	SB-168-2 (0-2)	SB-168-3 (0-2)	SB-189-1 (0-2)	SB-189-2 (0-2)	SB-189-3 (0-2)	SB-198-1 (0-2)	SB-198-2 (0-2)	SB-202-1 (0-2)	SB-202-2 (0-2)	DUP-1
Sample Date			(12292017) 12/29/2017	(12292017) 12/29/2017	(102417) 10/24/2017	(12292017) 12/29/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102417) 10/24/2017	(102417) 10/24/2017	(102417) 10/24/2017	(12292017) 12/29/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102517) 10/25/2017	(102417) 10/24/2017	(102417) 10/24/2017	(102417) 10/24/2017
Sample Type			FD	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
PCB-73			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.024 U	--	0.15
PCB-77			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1.1 G	--	0.68 G
PCB-78			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.26 U	--	< 0.21 U
PCB-79			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.81 G	--	0.83 G
PCB-8			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.13	0.90 J	0.31
PCB-80			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.47 G	--	0.56 G
PCB-81			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.28 U	--	< 0.20 U
PCB-82			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.7 G	27 G	10 G
PCB-83			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.9 U	< 3.0 U	< 1.5 U
PCB-84			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29 G	59 G	26 G
PCB-85/116/117			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18 G	30	17 G
PCB-86/87/97/108/119/125			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	73 G	160 B	72 G
PCB-88/91			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12 G	25	11 G
PCB-89			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.5 U	< 2.4 U	< 1.2 U
PCB-9			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0080 J	0.054 J	0.017 J
PCB-90/101/113			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	110 B	220 B	52 B
PCB-92			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20 G	14 G	20 G
PCB-93/100			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.4 U	73	< 1.1 U
PCB-94			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.4 U	< 2.3 U	< 1.2 U
PCB-95			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	51 G	< 2.2 U	63 G
PCB-96			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.58	1.0 J	0.45
PCB-98/102			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.2 G	4.2	2.1 G
PCB-99			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	45 G	86 G	42 G
Polychlorinated biphenyls	**1550**	1550	--	--	**4400**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**1700**	1100	1100
Semi-Volatile Organic Compounds (µg/kg)																											
1,1-Biphenyl	**1000**	1000	**180000**	< 360 UH	--	--	< 360 U	< 370 U	150	73	140	150	**2000**	300 J	270	12 J	86 F	580	250	120	140	70	< 41 U	110 J	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-202	SB-202	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-207	SB-207	SB-207
Sample ID			DUP-3	SB-202-1A	SB-204-1 (0-2)	SB-204-2 (0-2)	SB-204-3 (0-2)	SB-204-1A	SB-204-2A	SB-204-2B	SB-204-3A	SB-204-3B	DUP-1	SB-207-1 (0-2)	SB-207-2 (0-2)	SB-207-3 (0-2)
Sample Date			(102417) 10/24/2017	(12292017) 12/29/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017
Sample Type			FD	N	N	N	N	N	N	N	N	N	FD	N	N	N
Dioxins and Furans (µg/kg)																
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	< 0.0019 U	< 0.0015 U	< 0.0022 U	--	--	--	< 0.0030 U	--	--	< 0.0012 U	< 0.0013 U	< 0.0011 U
TEQ Dioxin/Furan WHO2005ND=0			--	--	0.00091	0.00056	0.01	--	--	--	--	--	--	0.0023	0.016	0.0019
TEQ WHO2005 ND=0.5	0.12	0.44	--	--	--	--	--	--	--	--	0.0031	--	--	--	--	--
TEQ WHO2005 ND=DL			--	0.00094	--	--	--	0.0011	0.018	0.0043	0.021	0.0016	0.0088	--	--	--
Total PCB TEQ			--	0.00094	0.0068	0.005	0.5	0.0011	0.018	0.0043	0.018	0.0016	0.0088	0.00053	0.00084	0.00093
Toxicity Equivalent ND =0			--	--	0.0078	0.0055	0.51	--	--	--	--	--	--	0.0029	0.017	0.0029
Pesticides (µg/kg)																
4,4-DDT	660	2800	--	--	< 1.9 U	< 2.0 U	< 2.1 U	--	--	--	--	--	--	--	--	--
Endrin	10000	10000	--	--	< 1.9 U	< 2.0 U	< 2.1 U	--	--	--	--	--	--	--	--	--
Endrin aldehyde	10000	10000	--	--	< 1.9 U	< 2.0 U	< 2.1 U	--	--	--	--	--	--	--	--	--
Methoxychlor	10000	28000	--	--	< 1.9 U	< 2.0 U	< 2.1 U	--	--	--	--	--	--	--	--	--
Polychlorinated Biphenyls (µg/kg)																
Aroclor 1254	**1550**	1550	--	330	**1600**	**5200**	400	250	**3500**	910	--	--	**2900**	--	--	--
Aroclor 1260	1550	1550	--	--	< 37 U	< 38 U	< 40 U	--	--	--	--	--	--	--	--	--
Aroclor 1262			--	--	< 37 U	< 38 U	< 40 U	--	--	--	--	--	--	--	--	--
Aroclor 1268			--	--	< 37 U	< 38 U	< 40 U	--	--	--	--	--	--	--	--	--
Decachlorobiphenyl			--	0.12	0.24	0.10 JB	0.27 JB	0.031 J	0.46	0.84	0.82	0.34	0.23 J	0.16 B	0.53 B	0.027 JB
PCB-1			--	0.0029 J	0.029	0.22 J	0.014 J	0.0037 J	0.089 J	0.055 J	0.25	0.011 J	0.090 J	0.0025 J	0.0046 J	0.0031 J
PCB-10			--	< 0.11 U	< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	0.012 J	< 0.13 U	0.054 J	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-103			--	< 0.22 U	< 0.99 U	< 0.86 U	< 2.5 U	< 0.23 U	< 2.9 U	< 0.68 U	3.3 G	< 0.49 U	< 1.5 U	< 0.12 U	< 0.26 U	< 0.16 U
PCB-104			--	< 0.11 U	0.0048 J	0.021 J	0.013 J	< 0.23 U	0.027 J	0.021 J	0.38	< 0.12 U	0.010 J	< 0.12 U	< 0.13 U	0.0043 J
PCB-105			--	7.2 B	56	39	100	9.0 B	150 EB	35 BE	150 EB	11 B	74 EB	4.3	6	7.2
PCB-106			--	< 0.20 U	< 0.90 U	< 0.78 U	< 2.2 U	< 0.23 U	< 2.7 U	< 0.62 U	< 2.9 U	< 0.45 U	< 1.4 U	< 0.12 U	< 0.23 U	< 0.15 U
PCB-107/124			--	0.86	5.9	3.9	8.8	0.83	14 G	3.4 G	17 G	1.2 G	6.8 G	0.4	0.55	0.63
PCB-109			--	1.2 B	9.5	7	20	1.4 B	26 EB	6.1 G	26 EB	2.1 G	12 B	0.69	1.1	1.4
PCB-11			--	0.0066 JB	0.0061 J	< 0.47 U	0.055 J	< 0.23 U	< 0.24 U	< 0.13 U	< 0.23 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-110/115			--	26 EB	150	110	290	24 B	410 EB	91 BE	450 EB	45 BE	200 EB	12 B	26	24
PCB-111			--	< 0.19 U	< 0.85 U	< 0.74 U	< 2.1 U	< 0.23 U	< 2.5 U	< 0.58 U	< 2.7 U	< 0.42 U	< 1.3 U	< 0.12 U	< 0.22 U	< 0.14 U
PCB-112			--	< 0.19 U	< 0.88 U	< 0.76 U	< 2.2 U	< 0.23 U	< 2.6 U	< 0.60 U	< 2.8 U	< 0.44 U	< 1.4 U	< 0.12 U	< 0.23 U	< 0.14 U
PCB-114			--	0.26 G	3.5	1.5	4.1	0.30 G	6.6 G	1.5 G	6.9 G	0.51 G	2.7 G	0.14	0.3	0.28
PCB-118			--	18 EB	130	96	240	22 B	320 EB	83 BE	330 EB	29 BE	170 EB	9.4	16	18
PCB-12/13			--	< 0.22 U	0.020 J	0.052 J	< 1.0 U	< 0.46 U	0.053 J	< 0.25 U	0.18 J	< 0.23 U	< 1.0 U	< 0.24 U	< 0.25 U	< 0.22 U
PCB-120			--	< 0.18 U	< 0.81 U	< 0.70 U	< 2.0 U	< 0.23 U	< 2.4 U	< 0.55 U	< 2.6 U	< 0.40 U	< 1.2 U	< 0.12 U	< 0.21 U	< 0.13 U
PCB-121			--	< 0.18 U	< 0.81 U	< 0.70 U	< 2.0 U	< 0.23 U	< 2.4 U	< 0.55 U	< 2.6 U	< 0.40 U	< 1.2 U	< 0.12 U	< 0.21 U	< 0.13 U
PCB-122			--	< 0.21 U	1.2	< 0.83 U	< 2.4 U	< 0.23 U	< 2.8 U	< 0.65 U	< 3.0 U	< 0.47 U	< 1.5 U	< 0.12 U	< 0.25 U	0.16
PCB-123			--	0.29 G	2	1.3	< 2.5 U	0.24 G	4.7 G	1.2 G	6.7 G	< 0.45 U	2.2 G	0.14	< 0.24 U	0.21
PCB-126			--	< 0.21 U	< 0.81 U	< 0.80 U	4.9	< 0.16 U	< 2.6 U	< 0.63 U	< 3.2 U	< 0.45 U	< 1.4 U	< 0.11 U	< 0.24 U	< 0.14 U
PCB-127			--	< 0.20 U	< 0.90 U	< 0.78 U	< 2.2 U	< 0.23 U	< 2.6 U	< 0.61 U	< 2.8 U	< 0.45 U	< 1.4 U	< 0.12 U	< 0.23 U	< 0.15 U
PCB-128/166			--	4.6 B	26	20 B	60	4.2 B	88 EB	16 B	84 EB	11 B	39 B	3.3 B	5.7 B	4.1 B
PCB-129/138/163			--	26 B	150	110 B	350	25 B	500 EB	88 BE	510 EB	87 BE	230 EB	21 B	31 B	24 B
PCB-130			--	1.7 B	9.9	7.5	26	1.6 B	33 EB	5.6 B	34 EB	4.0 B	15 B	1.2	2.3	1.5
PCB-131			--	0.33	2	1.2	4.4	0.29	6.1 G	0.98 G	7.6 G	< 1.9 U	2.6 G	0.18	0.42	0.27
PCB-132			--	7.8 B	41	31 B	100	6.6 B	140 EB	23 BE	160 EB	22 BE	62 EB	5.5 B	9.9 B	7.0 B
PCB-133			--	0.23	1.6	1.1	3.7	0.23	5.2 G	0.84 G	5.8 G	< 1.8 U	2.3 G	0.18	0.32	0.24
PCB-134/143			--	1.2 B	7.1	4.8	16	1.0 B	24 B	3.8 G	28 B	3.2 G	10 B	0.75	1.6	1.1
PCB-135/151			--	4.5 B	28	19 B	64	4.1 B	91 EB	16 B	120 EB	26 BE	41 B	4.3 B	6.1 B	5.2 B
PCB-136			--	2.0 B	11	8.0 B	26	1.7 B	37 EB	6.6 B	50 EB	8.0 B	16 B	1.6 B	2.6 B	2.1 B
PCB-137			--	1.4 B	7.9	5.7	16	1.2 B	24 B	4.3 B	26 EB	2.1 B	10 B	0.9	1.8	1.2
PCB-139/140			--	0.42	2.5	1.7	6.1	0.38 J	8.1 G	1.4 G	9.0 G	< 1.7 U	3.5	0.27	0.53	0.38
PCB-14			--	< 0.11 U	< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.13 U	< 0.23 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-141			--	3.8 B	21	14 B	41	3.4 B	70 EB	11 B	87 EB	19 BE	30 B	3.5 B	4.5 B	3.5 B
PCB-142			--	< 0.11 U	< 0.28 U	< 0.47 U	< 1.6 U	< 0.23 U	< 2.3 U	< 0.35 U	< 1.1 U	< 1.9 U	< 1.1 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-144			--	0.73 B	4.4	2.7	9.8	0.67 B	14 B	2.3 B	19 B	3.6 B	6.0 B	0.63	0.93	0.69
PCB-145			--	< 0.11 U	< 0.18 U	< 0.47 U	< 1.0 U	< 0.23 U	< 1.5 U	< 0.22 U	< 0.72 U	< 1.2 U	< 0.69 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-146			--	2.4 B	14	11	41	2.3 B	50 EB	8.3 B	55 EB	11 B	22 B	2.2	3.3	2.4
PCB-147/149			--	13 B	77 B	55 B	180	12 B	260 EB	43 BE	310 EB	62 BE	110 B	9.7 B	17 B	14 B
PCB-148			--	< 0.11 U	< 0.23 U	< 0.47 U	< 1.3 U	< 0.23 U	< 1.9 U	< 0.30 U	< 0.96 U	< 1.7 U	< 0.92 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-15			--	0.015 J	0.086	0.15 J	0.13 J	0.014 J	0.22 J	0.099 J	0.61	0.036 J	0.16 J	< 0.12 U	0.012 J	0.0077 J
PCB-150			--	< 0.11 U	< 0.17 U	< 0.47 U	< 0.94 U	< 0.23 U	< 1.4 U	< 0.21 U	< 0.68 U	< 1.2 U	< 0.65 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-152			--	< 0.11 U	< 0.17 U	< 0.47 U	< 0.97 U	< 0.23 U	< 1.4 U	< 0.22 U	< 0.70 U	< 1.2 U	< 0.67 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-153/168			--	15 B	91 B	65 B	220	15 B	300 EB	51 BE	340 EB	76 BE	140 EB	14 B	18 B	15 B
PCB-154			--	0.089 J	< 0.21 U	0.38 J	2.3	0.11 J	2.3 G	0.39 G	2.9 G	< 1.5 U	< 0.83 U	< 0.12 U	0.11 J	0.086 J
PCB-155			--	< 0.11 U	< 0.18 U	< 0.47 U	< 0.86 U	< 0.23 U	< 1.5 U	< 0.24 U	< 0.65 U	< 1.3 U	< 0.65 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-156			--	3.6 B	22	16	42	3.7 B	69 EB	13 B	66 EB	8.5 B	29 B	2.3 B	3.6 B	3.2 B
PCB-158			--	2.8 B	16	11 B	33	2.6 B	53 EB	9.1 B	57 EB	8.1 B	23 B	2.2 B	3.5 B	2.6 B
PCB-159			--	0.054 J	0.34	0.19 J	0.73	0.047 J	0.94 G	0.17	1.9 G	1.3	0.43 J	0.13	0.074 J	0.074 J
PCB-16			--	0.022 J	0.31	0.21 J	0.21 J	0.024 J	0.43	0.21	3.1	0.027 J	0.25 J	0.0065 J	0.023 J	0.018 J
PCB-160			--	< 0.11 U	< 0.22 U	< 0.47 U	< 1.3 U	< 0.23 U	< 1.8 U	< 0.28 U	< 0.91 U	< 1.6 U	< 0.87 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-161			--	< 0.11 U	< 0.21 U	< 0.47 U	< 1.2 U	< 0.23 U	< 1.7 U	< 0.26 U	< 0.84 U	< 1.4 U	< 0.81 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-162			--	0.087 J	0.52	0.33 J	1.4	0.091 J	1.5 G	0.3	1.5 G	0.2	0.69	0.055 J	0.11 J	0.072 J
PCB-164			--	1.6 B	9.7	7	23	1.5 B	34 EB	5.6 B	36 EB	6.4 B	15 B	1.4	2.1	1.6
PCB-165			--	< 0.11 U	< 0.21 U	< 0.47 U	< 1.2 U	< 0.23 U	< 1.7 U	< 0.27 U	< 0.86 U	< 1.5 U	< 0.83 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-167			--	1.1 B	6.5	4.6	18	1.1 B	20 B	3.9 B	20 B	3.1 B	9.1 B	0.72	1.2	1
PCB-169			--	< 0.017 U	< 0.12 U	< 0.076 U	< 0.22 U	< 0.023 U	< 0.30 U	< 0.063 U	< 0.35 U	< 0.070 U	< 0.15 U	< 0.012 U	< 0.013 U	< 0.012 U
PCB-17			--	0.029 J	0.27	0.53	0.20 J	0.024 J	0.6	0.94	13	0.025 J	0.38 J	0.0045 J	0.023 J	0.091 J
PCB-170			--	2.8 B	15	10 B	29 B	2.6 B	44 EB	8.9 B	58 EB	40 BE	19 B	3.9 B	3.3 B	3.1 B
PCB-171/173			--	0.91 B	5.0 E	3.3	10	0.85 B	14 B	2.8 B	21 B	12 B	6.0 B	1.3	1.1	1
PCB-172			--	0.41 B	2.3	1.5	4.6	0.39 B	6.5 B	1.3	10 B	7.5	2.7 B	0.65	0.48	0.49
PCB-174			--	2.4 B	14	8.5 B	25 B	2.2 B	37 EB	7.4 B	69 EB	51 BE	16 B	4.2 B	2.8 B	3.1 B
PCB-175			--	0.098 J	0.57	0.34 J	1.4	0.087 J	1.6	0.26	3	1.5	0.69	0.17	0.12 J	0.13

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-202	SB-202	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-207	SB-207	SB-207
Sample ID			DUP-3	SB-202-1A	SB-204-1 (0-2)	SB-204-2 (0-2)	SB-204-3 (0-2)	SB-204-1A	SB-204-2A	SB-204-2B	SB-204-3A	SB-204-3B	DUP-1	SB-207-1 (0-2)	SB-207-2 (0-2)	SB-207-3 (0-2)
Sample Date			(102417) 10/24/2017	(12292017) 12/29/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017
Sample Type			FD	N	N	N	N	N	N	N	N	N	FD	N	N	N
PCB-176			--	0.24	1.5	0.86	3	0.20 J	4.1	0.65	8.2	4	1.7	0.44	0.29	0.33
PCB-177			--	1.3 B	7.4	4.9	17	1.2 B	20 B	4.0 B	33 EB	24 BE	8.7 B	2.2	1.5	1.6
PCB-178			--	0.33	2.2	1.4	4.9	0.31	6	1	12	7.3	2.5	0.69	0.41	0.49
PCB-179			--	0.65 B	4.3 E	2.5	8.9	0.57 B	12 B	2.0 B	26 EB	14 BE	4.8 B	1.3	0.77	1
PCB-18/30			--	0.056 J	0.77 B	0.52 JB	0.57 JB	0.070 J	1.1	0.83	13	0.066 J	0.69 J	0.011 JB	0.058 JB	0.058 JB
PCB-180/193			--	4.6 B	27	16 B	47 B	4.2 B	72 EB	15 B	130 EB	100 BE	29 B	8.0 B	5.2 B	5.8 B
PCB-181			--	0.059 J	0.28	0.23 J	0.43 J	0.059 J	0.95	0.18	0.91	0.15	0.41 J	0.036 J	0.066 J	0.047 J
PCB-182			--	0.015 J	0.093	0.078 J	0.23 J	0.014 J	0.35	0.044 J	0.42	0.10 J	0.16 J	0.017 J	0.020 J	0.016 J
PCB-183			--	1.1 B	6.7	3.9 B	14 B	1.0 B	17 B	3.4 B	33 EB	21 BE	7.0 B	1.9 B	1.3 B	1.4 B
PCB-184			--	0.0024 J	< 0.024 U	< 0.47 U	0.076 J	0.0031 J	0.041 J	0.0072 J	0.068 J	0.0070 J	0.019 J	< 0.12 U	< 0.13 U	< 0.11 U
PCB-185			--	0.19	1.1	0.56	1.2	0.18 J	2.8	0.58	6.2	5.1	1.2	0.46	0.22	0.3
PCB-186			--	< 0.11 U	< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	0.020 J	< 0.13 U	0.023 J	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-187			--	1.9 B	13	7.5 B	27 B	1.7 B	34 EB	6.0 B	70 EB	45 BE	14 B	4.0 B	2.3 B	2.8 B
PCB-188			--	0.0025 J	< 0.024 U	0.013 J	0.10 J	0.0034 J	0.045 J	0.013 J	0.11 J	0.020 J	0.019 J	< 0.12 U	0.0028 J	0.0034 J
PCB-189			--	0.11	0.53	0.45	1.2	0.11 F	1.9	0.34	2.1	1.2	0.79	0.14	0.14	0.12
PCB-19			--	0.013 J	0.08	0.11 J	0.066 J	0.0083 J	0.24	0.38	5.1	0.014 J	0.14 J	< 0.12 U	0.011 J	0.021 J
PCB-190			--	0.48	2.7	1.8 B	3.9 B	0.45	7.7	1.6 B	11	8.4 B	3.2	0.74 B	0.55 B	0.58 B
PCB-191			--	0.11	0.59	0.37 J	1.2	0.098 J	1.7	0.34	2.6	1.8	0.74	0.17	0.13	0.13
PCB-192			--	< 0.11 U	< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.13 U	< 0.23 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-194			--	0.54	4.3	2.1 B	6.0 B	0.52	9.5	2.6 B	18	25 BE	3.9	1.3 B	0.66 B	0.79 B
PCB-195			--	0.21	1.8	0.76	1.9	0.20 J	3.5	0.94	7.7	10	1.5	0.57	0.27	0.37
PCB-196			--	0.31	2.5 E	1.1	3.6	0.29	5.7	1.2	12	11	2.2	0.74	0.42	0.5
PCB-197			--	0.024 J	0.18	0.086 J	0.32 J	0.022 J	0.4	0.069 J	0.94	0.59	0.17 J	0.057 J	0.035 J	0.037 J
PCB-198/199			--	0.64	5.6 E	2.5	7.2	0.64	13	3.0 B	26	24 BE	5.1	1.4	0.85	1.1
PCB-2			--	0.0020 J	0.0040 J	0.029 J	0.0039 J	0.0030 J	0.010 J	0.0095 J	0.024 J	0.0043 J	0.011 J	0.0018 J	0.0031 J	0.0010 J
PCB-20/28			--	0.12 JB	1.2 B	1.8 B	0.69 JB	0.12 JB	2.3 B	4.0 B	55 EB	0.17 JB	1.4 B	0.024 JB	0.095 JB	0.77 B
PCB-200			--	0.082 J	0.82	0.32 J	0.73	0.081 J	1.6	0.36	3.6	3	0.68	0.2	0.11 J	0.14
PCB-201			--	0.082 J	0.7	0.29 J	1	0.078 J	1.5	0.31	3.6	2.4	0.61	0.14	0.088 J	0.12
PCB-202			--	0.12	1.1	0.49	1.4	0.12 J	2.4	0.64	5	4.1	0.9	0.22	0.14	0.14
PCB-203			--	0.43	3.6 E	1.6	3.9	0.42	8.8	1.9	16	14 E	3.4	0.88	0.55	0.62
PCB-204			--	< 0.11 U	< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.13 U	< 0.23 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-205			--	0.032 J	0.23	0.12 J	0.31 J	0.031 J	0.58	0.13	1	1.2	0.25 J	0.074 J	0.040 J	0.049 J
PCB-206			--	0.35	2.5	1.2	2.9	0.28 F	6.6	1.6	7.6	5.9	2.5	0.33	0.4	0.23
PCB-207			--	0.036 J	0.33	0.16 J	0.39 J	0.038 J	0.88	0.19	1.2	0.68	0.33 J	0.041 J	0.061 J	0.029 J
PCB-208			--	0.095 J	0.6	0.29 J	0.64	0.074 J	1.5	0.45	2.2	1.2	0.6	0.080 J	0.12 J	0.049 J
PCB-21/33			--	0.057 JB	1.5 B	1.1 B	0.39 JB	0.31 JB	3.3 B	1.1 B	8.3 B	0.15 JB	2.1 B	0.025 JB	0.083 JB	0.070 JB
PCB-22			--	0.028 J	0.38	0.26 J	0.31 J	0.038 J	0.53	0.36	5.8 G	0.047 J	0.30 J	0.0063 J	0.023 J	0.043 J
PCB-23			--	< 0.11 U	< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.13 U	< 0.36 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-24			--	< 0.11 U	0.011 J	0.0036 J	0.0066 J	< 0.23 U	0.021 J	< 0.13 U	< 0.23 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-25			--	0.0081 J	0.092	0.12 J	0.045 J	< 0.23 U	0.12 J	0.033 J	0.49 G	0.010 J	0.051 J	< 0.12 U	< 0.13 U	< 0.11 U
PCB-26/29			--	0.013 J	0.18	0.13 J	0.16 J	0.018 J	0.32 J	0.091 J	1.3	0.024 J	0.19 J	< 0.24 U	0.016 J	0.012 J
PCB-27			--	0.0046 J	0.042	0.046 J	0.049 J	< 0.23 U	0.072 J	0.037 J	0.68	0.0067 J	0.041 J	< 0.12 U	< 0.13 U	0.0043 J
PCB-3			--	0.0025 J	0.013 J	0.096 J	0.0091 J	0.0039 J	0.042 J	0.024 J	0.11 J	0.0065 J	0.035 J	0.0027 J	0.0053 J	0.0021 J
PCB-31			--	0.093 JB	1.5 B	1.0 B	1.1 B	0.14 JB	2.5 B	1.9 B	23 EB	0.17 B	1.4 B	0.026 JB	0.089 JB	0.19 B
PCB-32			--	0.048 J	0.22	0.75	0.20 J	0.023 J	0.61	2.9	37 E	0.043 J	0.41 J	0.0029 J	0.029 J	0.45
PCB-34			--	< 0.11 U	< 0.024 U	0.037 J	< 0.50 U	< 0.23 U	0.14 J	< 0.13 U	< 0.37 U	< 0.12 U	0.087 J	< 0.12 U	< 0.13 U	< 0.11 U
PCB-35			--	0.0055 J	0.028	0.036 J	0.12 J	< 0.23 U	< 0.24 U	< 0.13 U	< 0.37 U	0.010 J	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-36			--	< 0.11 U	< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.13 U	< 0.34 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-37			--	0.040 J	0.5	0.38 J	0.82	0.068 J	0.94	0.29	3.3 G	0.11 J	0.6	0.021 J	0.039 J	0.031 J
PCB-38			--	< 0.11 U	< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.13 U	< 0.38 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-39			--	< 0.11 U	< 0.024 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.24 U	< 0.13 U	< 0.34 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-4			--	0.0090 J	0.097	0.19 J	0.059 J	< 0.23 U	0.23 J	0.17	1.8	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-40/71			--	0.30 B	3.1 B	5.4 B	4.3 B	0.37 JB	7.8 B	3.3 B	57 EB	0.52 B	3.9 B	0.093 JB	0.25 B	1.4 B
PCB-41			--	< 0.11 U	0.29	0.068 J	0.29 J	0.025 J	0.29	< 0.13 U	1.6 G	0.032 J	0.14 J	< 0.12 U	< 0.13 U	< 0.11 U
PCB-42			--	0.15 B	1.6	2.2 B	1.9 B	0.17 JB	4.0 B	1.9 B	31 EB	0.22 B	1.9 B	0.042 JB	0.12 JB	0.44 B
PCB-43			--	0.0078 J	0.21	0.13 J	0.14 J	0.028 J	0.5	< 0.13 U	2.3 G	< 0.12 U	0.18 J	< 0.12 U	0.0075 J	0.018 J
PCB-44/47/65			--	1.5 B	18	21 B	22 B	2.4 B	44 B	15 B	200 EB	2.4 B	21 B	0.61 B	1.5 B	3.9 B
PCB-45			--	0.043 JB	0.43	< 0.47 U	0.59	0.052 JB	0.65 B	< 0.13 U	< 0.38 U	0.069 J	0.45 JB	0.012 J	0.031 J	< 0.11 U
PCB-46			--	0.029 J	0.22	0.52	0.29 J	< 0.23 U	0.78	0.97	13 G	0.030 J	0.41 J	< 0.12 U	0.022 J	0.11
PCB-48			--	0.054 JB	0.98	0.43 JB	1.1 B	0.10 JB	1.4 B	0.36	5.6 B	0.10 J	0.68 B	0.017 JB	0.056 JB	0.049 JB
PCB-49/69			--	0.88 B	9.9	14 B	12 B	1.2 B	28 B	11 B	140 EB	1.5 B	14 B	0.27 B	0.79 B	2.3 B
PCB-5			--	< 0.11 U	0.024	0.023 J	< 0.50 U	< 0.23 U	0.019 J	0.030 J	0.16 J	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-50/53			--	0.13 JB	0.97 B	3.3 B	1.4 B	0.12 JB	3.4 B	3.9 B	50 EB	0.14 JB	1.9 B	0.033 JB	0.10 JB	0.57 B
PCB-51			--	0.043 JB	0.16	2.3	0.23 J	0.014 JB	1.1 B	2.2 B	34 EB	0.028 JB	0.60 B	0.0043 J	0.026 J	0.52
PCB-52			--	4.7 B	52	39 B	65	7.1 B	130 EB	31 BE	250 EB	7.7 B	62 EB	2.1 B	4.5 B	4.6 B
PCB-54			--	0.0056 J	0.0065 J	0.11 J	0.018 J	< 0.23 U	0.12 J	0.41	4.9	< 0.12 U	0.086 J	< 0.12 U	0.0021 J	0.034 J
PCB-55			--	< 0.11 U	< 0.22 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.44 U	< 0.13 U	< 0.88 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-56			--	0.41 B	4.9	2.9	7.1	0.63 B	11 B	2.8 B	24 EB	0.82 B	5.3 B	0.18	0.069 J	0.41
PCB-57			--	< 0.11 U	< 0.22 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.44 U	< 0.13 U	< 0.88 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-58			--	< 0.11 U	< 0.21 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.43 U	< 0.13 U	< 0.86 U	< 0.12 U	< 0.51 U	0.13	0.31	0.25
PCB-59/62/75			--	0.039 J	0.45	0.49 J	0.56 J	0.053 J	1	0.45	5.6	0.088 J	0.54 J	0.014 J	0.037 J	0.099 J
PCB-6			--	< 0.11 U	0.046	0.082 J	0.031 J	< 0.23 U	0.11 J	0.062 J	0.32	< 0.12 U	0.074 J	< 0.12 U	< 0.13 U	< 0.11 U
PCB-60			--	0.12	2	1	2.4	0.27	4.2 G	< 0.13 U	9.4 G	0.3	2.1	0.068 J	0.26	0.11
PCB-61/70/74/76			--	3.5 B	47	33 B	67 B	6.7 B	130 EB	31 B	210 EB	7.6 B	64 B	1.7 B	3.5 B	3.6 B
PCB-63			--	0.027 J	0.49	0.43 J	0.6	0.058 J	1.4 G	0.52	5.0 G	0.068 J	0.75	< 0.12 U	0.030 J	0.081 J
PCB-64			--	0.54 B	5.6	4.2 B	7.6 B	0.74 B	13 B	3.6 B	27 EB	1.1 B	6.6 B	0.25 B	0.37 B	0.59 B
PCB-66			--	1.1 B	15	16 B	17 B	1.9 B	38 EB	11 B	100 EB	2.5 B	19 B	0.58 B	1.0 B	2.6 B
PCB-67			--	< 0.11 U	< 0.21 U	< 0.47 U	< 0.50 U	< 0.23 U	< 0.41 U	< 0.13 U	< 0.82 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-68			--	< 0.11 U	< 0.19 U	0.30 J	< 0.50 U	< 0.23 U	0.49 B	0.23 B	2.6 B	< 0.12 U	0.27 JB	< 0.12 U	< 0.13 U	0.071 J
PCB-7			--	< 0.11 U	< 0.024 U	0.025 J	< 0.50 U	< 0.23 U	0.024 J	< 0.13 U	0.10 J	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-72			--	< 0.11 U	< 0.21 U	0.39 J	< 0.50 U	< 0.23 U	1.1 G	0.37	2.0 G	0.045 J	0.59	< 0.12 U	< 0.13 U	0.062 J

Appendix G-1
Historical Soil Data 2017
Compliance Status Report
Hercules Inc. - Savannah, GA

Location ID	Type 1/2 RRS	Type 3/4 RRS	SB-202	SB-202	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-207	SB-207	SB-207
Sample ID			DUP-3	SB-202-1A	SB-204-1 (0-2)	SB-204-2 (0-2)	SB-204-3 (0-2)	SB-204-1A	SB-204-2A	SB-204-2B	SB-204-3A	SB-204-3B	DUP-1	SB-207-1 (0-2)	SB-207-2 (0-2)	SB-207-3 (0-2)
Sample Date			(102417) 10/24/2017	(12292017) 12/29/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(12292017) 12/29/2017	(102617) 10/26/2017	(102617) 10/26/2017	(102617) 10/26/2017
Sample Type			FD	N	N	N	N	N	N	N	N	N	FD	N	N	N
PCB-73			--	< 0.11 U	< 0.024 U	0.091 J	< 0.50 U	< 0.23 U	< 0.24 U	< 0.13 U	1.6 G	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	0.046 J
PCB-77			--	0.19 G	1.9	1.4	7.4	0.28 G	4.5 G	1.2 G	8.7 G	0.41 G	2.2 G	0.12	0.18	0.21
PCB-78			--	< 0.11 U	0.47	< 0.47 U	< 0.50 U	< 0.23 U	< 0.45 U	< 0.13 U	< 0.89 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-79			--	0.12	0.97	0.64	2	0.12 J	2.4 G	0.44	3.0 G	0.2	1.1	0.053 J	0.098 J	0.10 J
PCB-8			--	0.020 J	0.22	0.46 J	0.12 J	0.037 J	0.55	0.46	6.1	0.035 J	0.39 J	< 0.12 U	0.016 J	0.024 J
PCB-80			--	0.083 J	0.63	< 0.47 U	< 0.50 U	0.090 J	< 0.38 U	0.39	< 0.76 U	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-81			--	< 0.017 U	< 0.20 U	< 0.18 U	2.7	< 0.025 U	< 0.40 U	< 0.10 U	< 0.81 U	< 0.032 U	< 0.23 U	< 0.012 U	< 0.024 U	< 0.026 U
PCB-82			--	2.1 B	13	8.4	25	2.0 B	33 EB	6.5 G	41 EB	2.7 G	15 B	0.78	1.8	1.3
PCB-83			--	< 0.32 U	< 1.5 U	< 1.3 U	< 3.7 U	< 0.28 U	< 4.4 U	< 1.0 U	< 4.7 U	< 0.74 U	< 2.3 U	< 0.18 U	< 0.38 U	< 0.24 U
PCB-84			--	3.9 B	27	19	47	4.5 B	66 EB	15 BE	96 EB	5.7 B	30 B	1.4	4.4	3
PCB-85/116/117			--	3.2 B	20	14	32	3.5 B	55 B	13 B	60 B	5.0 B	27 B	1.7	2.5	2.7
PCB-86/87/97/108/119/125			--	13 B	84 B	58 B	160 B	14 B	230 EB	47 B	280 EB	19 B	100 B	4.8 B	11 B	10 B
PCB-88/91			--	2.0 B	12	11	22	1.9 B	32 B	8.3 B	56 EB	3.3 B	15 B	0.81	2	1.9
PCB-89			--	< 0.26 U	< 1.2 U	< 1.0 U	< 3.0 U	< 0.23 U	< 3.5 U	< 0.81 U	< 3.8 U	< 0.59 U	< 1.8 U	< 0.15 U	< 0.31 U	< 0.19 U
PCB-9			--	< 0.11 U	0.015 J	0.031 J	< 0.50 U	< 0.23 U	0.037 J	< 0.13 U	0.085 J	< 0.12 U	< 0.51 U	< 0.12 U	< 0.13 U	< 0.11 U
PCB-90/101/113			--	19 B	120 B	87 B	240	21 B	340 EB	71 BE	400 EB	37 BE	160 EB	7.6 B	17 B	16 B
PCB-92			--	3.5 B	21	17	43	3.8 B	63 EB	14 BE	82 EB	6.8 B	30 B	1.4	< 0.30 U	3.2
PCB-93/100			--	< 0.24 U	< 1.1 U	< 0.94 U	< 2.7 U	< 0.46 U	< 3.2 U	< 0.74 U	4.0 G	< 0.54 U	< 1.7 U	< 0.24 U	< 0.28 U	< 0.22 U
PCB-94			--	< 0.25 U	< 1.1 U	< 0.99 U	< 2.8 U	< 0.23 U	< 3.4 U	< 0.78 U	3.9 G	< 0.57 U	< 1.8 U	< 0.14 U	< 0.30 U	< 0.18 U
PCB-95			--	12 EB	81	58	140	13 B	210 EB	48 BE	280 EB	23 BE	96 EB	5.1	13	9.8
PCB-96			--	0.069 J	0.41	0.5	0.79	0.068 J	1.1	0.29	2.9	0.091 J	0.52	0.029 J	0.070 J	0.10 J
PCB-98/102			--	0.25 G	1.4	1.2	3.7	0.27 J	4.1 G	0.97 G	8.4 G	< 0.52 U	1.9 G	< 0.24 U	< 0.27 U	0.29
PCB-99			--	7.6 B	46	36	90	8.2 B	130 EB	31 BE	160 EB	12 BE	64 EB	3.5 B	6.6	7.3
Polychlorinated biphenyls	**1550**	1550	--	250	**1600**	**5200**	**3200**	260	**4700**	1000	**6500**	1000	**2200**	170	260	250
Semi-Volatile Organic Compounds (µg/kg)																
1,1-Biphenyl	**1000**	1000	320 J	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/kg = microgram per kilogram
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MWD-F1	MWD-F1	MWD-F1	MWD-F1	MWD-F1	MWD-F1	MWD-F2	MWD-F2	MWD-F2	MWD-F2	MWD-F2	MWD-F2	MWD-F3	MWD-F3	MWD-F3	MWD-F3	MWD-22	MWD-22	MWD-22
Sample ID			MWD-F1_11/4/00_NM	MWD-F1_7/26/02_NM	MWD-F1_11/1/02_NM	MWD-F1_1/23/04_NM	MW-1_6/30/04_NM	MWD-F1 (072211)	MWD-F2_11/3/00_NM	MWD-F2_7/26/02_NM	MWD-F2_11/1/02_NM	MWD-F2_1/23/04_NM	MW-2_6/30/04_NM	MWD-F2 (072211)	MWD-F3_11/3/00_NM	MWD-F3_11/1/02_NM	MWD-F3_1/23/04_NM	MWD-F3 (072211)	MWD-22_11/1/02_NM	MW-10_7/1/04_NM	MWD-22 (072111)
Sample Date			11/04/2000	07/26/2002	11/01/2002	01/23/2004	06/30/2004	07/22/2011	11/03/2000	07/26/2002	11/01/2002	01/23/2004	06/30/2004	07/22/2011	11/03/2000	11/01/2002	01/23/2004	07/22/2011	11/01/2002	07/01/2004	07/21/2011
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
Anions (µg/L)																					
Ammonia Nitrogen			170	--	--	--	--	--	< 0.03 U	--	--	--	--	--	180	--	--	--	--	--	--
Chloride			4200	--	--	--	--	--	3600	--	--	--	--	--	5300	--	--	--	--	--	--
Fluoride (F-, Anion)			610	--	--	--	--	--	660	--	--	--	--	--	750	--	--	--	--	--	--
Nitrate/Nitrite			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Sulfate			41000	--	--	--	--	--	13000	--	--	--	--	--	57000	--	--	--	--	--	--
Sulfide			< 1000 UJ	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	--
General Chemistry (µg/L)																			--		
Cyanide			< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--
Residue, filterable			270000	--	--	--	--	--	240000	--	--	--	--	--	300000	--	--	--	--	--	--
Total Organic Carbon			1800	--	--	--	--	--	14000	--	--	--	--	--	1500	--	--	--	--	--	--
Metals (µg/L)																			--		
Antimony			< 20 U	--	< 20 U	--	< 6 U	--	2.4	--	< 20 U	--	< 6 U	--	< 20 U	< 20 U	--	--	< 20 U	< 6 U	--
Arsenic			< 10 U	--	< 10 U	--	< 10 U	--	3.3	--	< 10 U	--	< 10 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--
Barium			8.5	--	< 10 U	--	< 10 U	--	5.6	--	< 10 U	--	< 10 U	--	13	35	--	--	30	17	--
Beryllium			< 4 U	--	< 4 U	--	< 4 U	--	0.12	--	< 4 U	--	< 4 U	--	< 4 U	< 4 U	--	--	< 4 U	< 4 U	--
Cadmium			< 5 U	--	--	--	< 5 U	--	< 5 U	--	--	--	< 5 U	--	< 5 U	--	--	--	--	< 5 U	--
Chromium			7.6	--	< 10 U	--	< 10 U	--	8.2	--	< 10 U	--	< 10 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--
Cobalt			< 10 U	--	< 10 U	--	< 10 U	--	< 10 U	--	< 10 U	--	< 10 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--
Copper			2.8	--	< 20 U	--	< 20 U	--	2.9	--	< 20 U	--	< 20 U	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--
Lead			< 5 U	--	< 5 U	--	< 5 U	--	38	< 5 U	< 5 U	--	< 5 U	--	< 5 U	< 5 U	--	--	< 5 U	< 5 U	--
Mercury			< 0.2 U	--	--	--	< 0.2 U	--	< 0.2 U	--	--	--	< 0.2 U	--	< 0.2 U	--	--	--	--	< 0.2 U	--
Nickel			1.9	--	< 40 U	--	< 40 U	--	2.3	--	< 40 U	--	< 40 U	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--
Selenium			< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	--	< 10 U	--
Silver			< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	--	< 10 U	--
Thallium			< 10 U	--	--	--	< 2 U	--	< 10 U	--	--	--	< 2 U	--	< 10 U	--	--	--	--	< 2 U	--
Tin			< 50 U	--	--	--	< 50 U	--	< 50 U	--	--	--	< 50 U	--	< 50 U	--	--	--	--	< 50 U	--
Vanadium			6.8	--	< 10 U	--	< 10 U	--	3.3	--	< 10 U	--	< 10 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--
Zinc			< 11 UJ	--	< 20 U	--	24	--	< 290 UJ	--	< 20 U	--	< 20 U	--	29 J	< 20 U	--	--	< 20 U	< 20 U	--
Herbicides (µg/L)																			--		
2,4,5-T (Trichlorophenoxyacetic Acid)			< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--
2,4,5-TP (Silvex)			< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--
Pesticides (µg/L)																			--		
4,4-DDD (Rhothane)			< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--
Aldrin			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Alpha-BHC			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Beta-BHC			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Chlordane			< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--
Chlorobenzilate			< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--
Delta-BHC			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Dieldrin			< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--
Endosulfan I			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Endosulfan II			< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--
Endosulfan sulfate			< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--
Endrin			< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--
Endrin aldehyde			0.01	--	--	--	--	--	< 0.1 UJ	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--
Heptachlor			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Heptachlor epoxide			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Isodrin			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Kepone			< 1 U	--	--	--	--	--	< 1 U	--	--	--	--	--	< 1 U	--	--	--	--	--	--
Methoxychlor			< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--
Technical BHC			< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--
Toxaphene			< 5 U	--	--	--	--	--	< 5 U	--	--	--	--	--	< 5 U	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																			--		
Diesel Range Organics			700	--	--	< 100 UJ	--	--	330	--	--	< 100 U	--	--	< 100 UJ	--	< 100 UJ	--	--	--	--
Gasoline Range Organics			< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																			--		
1,1-Biphenyl	10	10	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
1,2,4-Trichlorobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
1,2-Dichlorobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
1,3,5-Trinitrobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
1,3-Dichlorobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
1,3-Dinitrobenzene	10	10	< 10 U	--	< 10 U	< 10 U	< 20 U	< 0.98 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.99 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 10 U	< 10 U	< 1.0 U
1,4-Dichlorobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
1,4-Dioxane	70	70	< 10 U	--	--	< 10 U	< 20 U	< 2.0 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	< 10 U	--	< 10 U	2.5	--	< 10 U	< 2.0 U
1,4-Naphthoquinone			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
1-Naphthylamine			< 10 U	--	--	< 10 U	< 20 U	< 4.9 U	< 10 U	--	--	< 10 U	< 10 U	< 4.9 U	< 10 U	--	< 10 U	< 5.0 U	--	< 10 U	< 5.0 U
2,2-Oxybis(1-Chloropropane)			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2,3,4,6-Tetrachlorophenol			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2,4,5-Trichlorophenol			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2,4,6-Trichlorophenol			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2,4-Dichlorophenol			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2,4-Dimethylphenol	700	2000	< 10 U	--	--	< 10 U	< 20 U	< 2.0 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 2.0 U	--	< 10 U	< 2.0 U
2,4-Dinitrophenol			< 50 U	--	--	< 50 U	< 100 U	< 9.8 U	< 50 U	--	--	< 50 U	< 50 U	< 9.9 U	< 50 U	--	< 50 U	< 10 U	--	< 50 U	< 10 U
2,4-Dinitrotoluene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2,6-Dichlorophenol			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2,6-Dinitrotoluene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2-Acetylaminofluorene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2-Chloronaphthalene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2-Chlorophenol			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2-Methyl-4,6-dinitrophenol			< 50 U	--	--	< 50 U	< 100 U	< 4.9 U	< 50 U	--	--	< 50 U	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 5.0 U	--	< 50 U	< 5.0 U
2-Methylnaphthalene			< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
2-Methylphenol	10	5100	< 10 U	--	--	< 10 U	< 20 U	< 2.0 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 2.0 U	--	< 10 U	< 2.0 U

Well ID Sample ID Sample Date Sample Type	Type 1 RRS	Type 3/4 RRS	MWD-F1 MWD-F1_11/4/00_NM 11/04/2000 N	MWD-F1 MWD-F1_7/26/02_NM 07/26/2002 N	MWD-F1 MWD-F1_11/1/02_NM 11/01/2002 N	MWD-F1 MWD-F1_1/23/04_NM 01/23/2004 N	MWD-F1 MW-1_6/30/04_NM 06/30/2004 N	MWD-F1 MWD-F1 (072211) 07/22/2011 N	MWD-F2 MWD-F2_11/3/00_NM 11/03/2000 N	MWD-F2 MWD-F2_7/26/02_NM 07/26/2002 N	MWD-F2 MWD-F2_11/1/02_NM 11/01/2002 N	MWD-F2 MWD-F2_1/23/04_NM 01/23/2004 N	MWD-F2 MW-2_6/30/04_NM 06/30/2004 N	MWD-F2 MWD-F2 (072211) 07/22/2011 N	MWD-F3 MWD-F3_11/3/00_NM 11/03/2000 N	MWD-F3 MWD-F3_11/1/02_NM 11/01/2002 N	MWD-F3 MWD-F3_1/23/04_NM 01/23/2004 N	MWD-F3 MWD-F3 (072211) 07/22/2011 N	MWD-22 MWD-22_11/1/02_NM 11/01/2002 N	MWD-22 MW-10_7/1/04_NM 07/01/2004 N	MWD-22 MWD-22 (072111) 07/21/2011 N
2-Naphthylamine			< 10 U	--	--	< 10 U	< 20 U	< 4.9 U	< 10 U	--	--	< 10 U	< 10 U	< 4.9 U	< 10 U	--	< 10 U	< 5.0 U	--	< 10 U	< 5.0 U
2-Nitroaniline			< 50 U	--	--	< 50 U	< 100 U	< 0.98 U	< 50 U	--	--	< 50 U	< 50 U	< 0.99 U	< 50 U	--	< 50 U	< 1.0 U	--	< 50 U	< 1.0 U
2-Nitrophenol			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
2-Picoline			< 10 U	--	--	< 10 U	< 20 U	< 2.0 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 2.0 U	--	< 10 U	< 2.0 U
3,3-Dichlorobenzidine			< 20 U	--	--	< 20 U	< 40 U	< 20 U	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	--	< 20 U	< 20 U
3,3-Dimethylbenzidine			< 20 U	--	--	< 20 U	< 40 U	< 20 U	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	--	< 20 U	< 20 U
3-Methylchloranthrene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	--	--	< 2.0 U	--	--	--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	< 2.0 U
3-Nitroaniline			< 50 U	--	--	< 50 U	< 100 U	< 4.9 U	< 50 U	--	--	< 50 U	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 5.0 U	--	< 50 U	< 5.0 U
4-Aminobiphenyl			< 10 U	--	--	< 10 U	< 20 U	< 4.9 U	< 10 U	--	--	< 10 U	< 10 U	< 4.9 U	< 10 U	--	< 10 U	< 5.0 U	--	< 10 U	< 5.0 U
4-Bromophenyl phenyl ether			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
4-Chloro-3-Methylphenol			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
4-Chlorophenyl phenyl ether			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
4-Dimethylaminoazobenzene			< 10 U	--	--	< 10 U	< 20 U	< 4.9 U	< 10 U	--	--	< 10 U	< 10 U	< 4.9 U	< 10 U	--	< 10 U	< 5.0 U	--	< 10 U	< 5.0 U
4-Methylphenol	10	10000	< 10 U	--	--	< 10 U	< 20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	< 10 U	--	--	< 10 U	--
4-Nitroaniline			< 50 U	--	--	< 50 U	< 100 U	< 4.9 U	< 50 U	--	--	< 50 U	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 5.0 U	--	< 50 U	< 5.0 U
4-Nitrophenol			< 50 U	--	--	< 50 U	< 100 U	< 4.9 U	< 50 U	--	--	< 50 U	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 5.0 U	--	< 50 U	< 5.0 U
4-Nitroquinoline-N-Oxide			< 20 U	--	--	< 20 U	< 40 U	< 2.0 U	< 20 U	--	--	< 20 U	< 20 U	< 2.0 U	< 20 U	--	< 20 U	< 2.0 U	--	< 20 U	< 2.0 U
5-Nitro-o-Toluidine			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
7,12-Dimethylbenz(a)anthracene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Acenaphthene	2000	6100	< 10 U	--	< 10 U	< 10 U	< 20 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 0.20 U
Acenaphthylene	10	10	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Acetophenone	4000	10000	< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Aniline	20	500	< 20 U	--	--	< 20 U	< 40 U	< 2.0 U	< 20 U	--	--	< 20 U	< 20 U	< 2.0 U	< 20 U	--	< 20 U	< 2.0 U	--	< 20 U	< 2.0 U
Anthracene	10	31000	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Aramite			< 10 U	--	--	< 10 U	< 20 U	< 1.5 U	< 10 U	--	--	< 10 U	< 10 U	< 1.5 U	< 10 U	--	< 10 U	< 1.5 U	--	< 10 U	< 1.5 U
Benzo(a)anthracene	10	10	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Benzo(a)pyrene	10	10	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Benzo(b)fluoranthene	10	10	< 10 U	--	--	--	< 20 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	< 10 U	--	--	< 0.20 U	--	< 10 U	< 0.20 U
Benzo(g,h,i)perylene	10	10	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Benzo(k)fluoranthene	10	39	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Benzyl Alcohol			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
beta-Pinene			< 100 U	--	--	< 10 U	--	--	< 100 U	--	--	< 10 U	--	--	< 100 U	--	< 10 U	--	--	--	--
bis(2-Chloroethoxy)methane			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
bis(2-Chloroethyl)ether			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
bis(2-Ethylhexyl)phthalate	**10**	200	< 10 UJ	--	< 10 U	< 10 U	< 20 U	< 2.0 U	< 10 UJ	--	< 10 U	< 10 U	**28**	< 2.0 U	< 10 UJ	< 10 U	< 10 U	< 2.0 U	< 10 U	< 10 U	4.3
Butyl benzyl phthalate	**100**	15061	< 10 U	--	< 10 U	< 10 U	**190**	< 0.98 U	< 10 U	--	< 10 U	< 10 U	**150**	< 0.99 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 10 U	< 10 U	< 1.0 U
Chrysene	10	40	< 10 U	--	< 10 U	< 10 U	< 20 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 0.20 U
Diallate			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Dibenzo(a,h)anthracene	10	10	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Dibenzofuran	10	10	< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Diethyl phthalate			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Dimethoate			< 10 U	--	--	--	--	< 2.0 U	< 10 U	--	--	--	--	< 2.0 U	< 10 U	--	--	< 2.0 U	--	--	< 2.0 U
Dimethyl phthalate			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Dimethylphenethylamine			< 2000 U	--	--	< 2000 U	< 4000 U	< 9.8 U	< 2000 U	--	--	< 2000 U	< 2000 U	< 9.9 U	< 2000 U	--	< 2000 U	< 10 U	--	< 2000 U	< 10 U
Di-n-butyl phthalate			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Di-n-octyl phthalate	700	700	< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Dinoseb			< 10 U	--	--	< 10 U	< 20 U	< 2.0 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 2.0 U	--	< 10 U	< 2.0 U
Diphenyl ether			< 10 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 10 U	--	--
Disulfoton			< 10 U	--	--	--	--	< 0.98 U	< 10 U	--	--	--	--	< 0.99 U	< 10 U	--	--	< 1.0 U	--	--	< 1.0 U
Ethyl Methanesulfonate			< 10 U	--	--	< 10 U	< 20 U	< 2.0 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 2.0 U	--	< 10 U	< 2.0 U
Famphur			< 10 U	--	--	--	--	< 0.98 U	< 10 U	--	--	--	--	< 0.99 U	< 10 U	--	--	< 1.0 U	--	--	< 1.0 U
Fluoranthene	1000	4100	< 10 U	--	< 10 U	< 10 U	< 20 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 0.20 U
Fluorene	1000	4100	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Formaldehyde	1000	20000	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	--
Hexachloro-1,3-butadiene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Hexachlorobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Hexachlorocyclopentadiene			< 10 U	--	--	< 10 U	< 20 U	< 2.0 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 2.0 U	--	< 10 U	< 2.0 U
Hexachloroethane			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Hexachlorophene			< 5000 U	--	--	--	< 10000 U	< 490 U	< 5000 U	--	--	--	< 5000 U	< 490 U	< 5000 U	--	--	< 500 U	--	< 5000 U	< 500 U
Hexachloropropene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Indeno(1,2,3-cd)pyrene	10	10	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Isophorone			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Isosafrole			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Methapyrilene			< 2000 U	--	--	< 2000 U	< 4000 U	< 200 U	< 2000 U	--	--	< 2000 U	< 2000 U	< 200 U	< 2000 U	--	< 2000 U	< 200 U	--	< 2000 U	< 200 U
Methyl methanesulfonate			< 10 U	--	--	< 10 U	< 20 U	< 2.0 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 2.0 U	--	< 10 U	< 2.0 U
Methyl parathion			< 10 U	--	--	--	--	< 0.98 U	< 10 U	--	--	--	--	< 0.99 U	< 10 U	--	--	< 1.0 U	--	--	< 1.0 U
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	20	20	< 10 U	--	< 10 U	< 10 U	< 20 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 0.20 U
Nitrobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
N-Nitrosodiethylamine			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
N-Nitrosodimethylamine			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
N-Nitrosodi-n-butylamine	**10**	10	**66**	< 10 U	< 10 U	< 10 U	< 20 U	< 0.98 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.99 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 10 U	< 10 U	< 1.0 U
N-Nitrosodi-n-propylamine			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
N-Nitrosodiphenylamine			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
N-Nitrosomorpholine			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
N-Nitroso-N-methylethylamine	10	10	< 10 U	--	< 10 U	< 10 U	< 20 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 2.0 U	< 10 U	< 10 U	< 10 U	< 2.0 U	< 10 U	< 10 U	< 2.0 U
N-Nitrosopiperidine			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
N-Nitrosopyrrolidine			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
o,o,o-Triethyl phosphorothioate			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
o,o-Diethyl o-pyrazinyl phosphorothioate			< 10 U	--	--	--	--	< 0.98 U	< 10 U	--	--	--	--	< 0.99 U	< 10 U	--	--	< 1.0 U	--	--	< 1.0 U
o-Toluidine			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Parathion	200	610	< 10 U	--	--	--	--	< 2.0 U	< 10 U	--	--	--	--	< 2.0 U	< 10 U	--	--	< 2.0 U	--	--	< 2.0 U
p-Chloroaniline			< 20 U	--	--	< 20 U	< 40 U	< 2.0 U	< 20 U	--	--	< 20 U	< 20 U	< 2.0 U	< 20 U	--	< 20 U	< 2.0 U	--	< 20 U	< 2.0 U
Pentachlorobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Pentachloronitrobenzene			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Pentachlorophenol			< 50 U	--	--	< 50 U	< 100 U	< 4.9 U	< 50 U	--	--	< 50 U	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 5.0 U	--	< 50 U	< 5.0 U
Phenacetin			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U

Well ID Sample ID Sample Date Sample Type	Type 1 RRS	Type 3/4 RRS	MWD-F1 MWD-F1_11/4/00_NM 11/04/2000 N	MWD-F1 MWD-F1_7/26/02_NM 07/26/2002 N	MWD-F1 MWD-F1_11/1/02_NM 11/01/2002 N	MWD-F1 MWD-F1_1/23/04_NM 01/23/2004 N	MWD-F1 MW-1_6/30/04_NM 06/30/2004 N	MWD-F1 MWD-F1 (072211) 07/22/2011 N	MWD-F2 MWD-F2_11/3/00_NM 11/03/2000 N	MWD-F2 MWD-F2_7/26/02_NM 07/26/2002 N	MWD-F2 MWD-F2_11/1/02_NM 11/01/2002 N	MWD-F2 MWD-F2_1/23/04_NM 01/23/2004 N	MWD-F2 MW-2_6/30/04_NM 06/30/2004 N	MWD-F2 MWD-F2 (072211) 07/22/2011 N	MWD-F3 MWD-F3_11/3/00_NM 11/03/2000 N	MWD-F3 MWD-F3_11/1/02_NM 11/01/2002 N	MWD-F3 MWD-F3_1/23/04_NM 01/23/2004 N	MWD-F3 MWD-F3 (072211) 07/22/2011 N	MWD-22 MWD-22_11/1/02_NM 11/01/2002 N	MWD-22 MW-10_7/1/04_NM 07/01/2004 N	MWD-22 MWD-22 (072111) 07/21/2011 N
Phenanthrene	10	10	< 10 U	--	--	< 10 U	< 20 U	< 0.20 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 0.20 U	--	< 10 U	< 0.20 U
Phenol	4		< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Phorate			< 10 U	--	--	--	--	< 0.98 U	< 10 U	--	--	--	--	< 0.99 U	< 10 U	--	--	< 1.0 U	--	--	< 1.0 U
Pinene			< 100 U	--	--	< 10 U	--	--	< 100 U	--	--	< 10 U	--	--	< 100 U	--	< 10 U	--	--	--	--
p-Phenylenediamine			< 2000 U	--	--	< 2000 U	< 4000 U	< 200 U	< 2000 U	--	--	< 2000 U	< 2000 U	< 200 U	< 2000 U	--	< 2000 U	< 200 U	--	< 2000 U	< 200 U
Propyzamide			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Pyrene	1000	3100	< 10 U	--	< 10 U	< 10 U	< 20 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 0.20 U
Pyridine			< 50 U	--	--	< 50 U	< 100 U	< 4.9 U	< 50 U	--	--	< 50 U	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 5.0 U	--	< 50 U	< 5.0 U
Safrole			< 10 U	--	--	< 10 U	< 20 U	< 0.98 U	< 10 U	--	--	< 10 U	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 1.0 U	--	< 10 U	< 1.0 U
Sulfotep			< 10 U	--	--	--	--	< 0.98 U	< 10 U	--	--	--	--	< 0.99 U	< 10 U	--	--	< 1.0 U	--	--	< 1.0 U
Volatile Organic Compounds (µg/L)																			--		
1,1,1,2-Tetrachloroethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,1,1-Trichloroethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,1,2,2-Tetrachloroethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,1,2-Trichloroethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,1-Dichloroethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,1-Dichloroethene			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,2,3-Trichloropropane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,2,4-Trichlorobenzene			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	< 1.0 U
1,2-Dibromo-3-chloropropane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,2-Dibromoethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,2-Dichlorobenzene			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	< 1.0 U
1,2-Dichloroethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,2-Dichloropropane	5	7.4	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
1,3-Dichlorobenzene			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	< 1.0 U
1,4-Dichlorobenzene			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	< 1.0 U
1,4-Dioxane	70	70	--	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	< 50 U	--	--	< 50 U
2-Butanone (MEK)	2000	12000	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 U
2-Chlor-1,3-Butadiene			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
2-Chloroethyl vinyl ether			--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	< 10 U	--	--	--	--
2-Methyl-1-propanol	10000	31000	< 40 U	--	< 200 U	< 40 U	< 40 U	< 40 U	< 40 U	--	< 200 U	< 40 U	< 40 U	< 40 U	< 40 U	< 200 U	< 40 U	< 40 U	< 200 U	< 40 U	< 40 U
4-Methyl-2-Pentanone	2000	4200	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 U
Acetone	4000	46000	< 25 U	--	< 50 U	< 25 U	< 25 U	< 25 U	< 25 U	--	< 50 U	< 25 U	< 25 U	< 25 U	< 25 U	< 50 U	< 25 U	< 25 U	< 50 U	< 25 U	< 25 U
Acetonitrile	200	200	< 40 U	--	--	< 40 U	< 40 U	< 40 U	< 40 U	--	--	< 40 U	< 40 U	< 40 U	< 40 U	--	< 40 U	< 40 U	--	< 40 U	< 40 U
Acrolein	700	700	< 20 U	--	< 100 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 100 U	< 20 U	< 20 U	< 20 U	< 20 U	< 100 U	< 20 U	< 20 U	< 100 U	< 20 U	< 20 U
Acrylonitrile			< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	--	< 20 U	< 20 U
Allyl chloride			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Benzene	5	8.7	< 1 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	< 1 U	< 5 U	< 1 U	< 1.0 U	< 5 U	< 1 U	< 1.0 U
Bromodichloromethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Bromoform			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Bromomethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Carbon Disulfide	4000	4000	< 1 U	--	--	< 1 U	< 1 U	< 2.0 U	< 1 U	--	--	2.4	< 1 U	< 2.0 U	< 1 U	--	4.9	< 2.0 U	--	< 1 U	< 2.0 U
Carbon Tetrachloride			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
CFC-11 (Trichlorofluoromethane)			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
CFC-12 (Dichlorodifluoromethane)			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Chlorobenzene	100	140	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Chlorodibromomethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Chloroethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Chloroform			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Chloromethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
cis-1,3-Dichloropropene			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Dibromomethane			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Dichloromethane			< 5 U	--	--	< 5 U	< 5 U	< 5.0 U	< 5 U	--	--	< 5 U	< 5 U	< 5.0 U	< 5 U	--	< 5 U	< 5.0 U	--	< 5 U	< 5.0 U
Ethyl Methacrylate	3000	3000	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Ethylbenzene	700	700	< 1 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	< 1 U	< 5 U	< 1 U	< 1.0 U	< 5 U	< 1 U	< 1.0 U
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			< 1 U	--	--	< 1 U	< 1 U	< 5.0 U	< 1 U	--	--	< 1 U	< 1 U	< 5.0 U	< 1 U	--	< 1 U	< 5.0 U	--	< 1 U	< 5.0 U
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2.0 U
Methyl methacrylate			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Methyl N-Butyl Ketone (2-Hexanone)			< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 U
Methylacrylonitrile			< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	--	< 20 U	< 20 U
Naphthalene	20	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U
Pentachloroethane			< 5 U	--	--	< 5 U	< 5 U	< 5.0 U	< 5 U	--	--	< 5 U	< 5 U	< 5.0 U	< 5 U	--	< 5 U	< 5.0 U	--	< 5 U	< 5.0 U
Propionitrile			< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	--	< 20 U	< 20 U
Styrene (Monomer)	100	2600	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Tetrachloroethene	5	98	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Toluene	1000	5200	< 1 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	< 1 U	< 5 U	< 1 U	< 1.0 U	< 5 U	< 1 U	< 1.0 U
Total Xylenes	2	10000	< 2 U	--	< 10 U	< 2 U	< 2 U	< 2.0 U	< 2 U	--	< 10 U	< 2 U	< 2 U	< 2.0 U	< 2 U	< 10 U	< 2 U	< 2.0 U	< 10 U	< 2 U	< 2.0 U
trans-1,2-Dichloroethene			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
trans-1,3-Dichloropropene			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
trans-1,4-Dichloro-2-butene	2	2	< 2 U	--	--	< 2 U	< 2 U	< 2.0 U	< 2 U	--	--	< 2 U	< 2 U	< 2.0 U	< 2 U	--	< 2 U	< 2.0 U	--	< 2 U	< 2.0 U
Trichloroethene			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U
Vinyl acetate			< 2 U	--	--	< 2 U	< 2 U	< 2.0 U	< 2 U	--	--	< 2 U	< 2 U	< 2.0 U	< 2 U	--	< 2 U	< 2.0 U	--	< 2 U	< 2.0 U
Vinyl chloride			< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1.0 U	--	< 1 U	< 1.0 U

Notes:
Bold: Concentration exceeds the Type 1/2 RRS
Shaded: Concentration exceeds the Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
mg/L = milligram per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
J = Result is estimated

Well ID	Type 1 RRS	Type 3/4 RRS	MWD-F1	MWD-F1	MWD-F1	MWD-F1	MWD-F1	MWD-F1	MWD-F2	MWD-F2	MWD-F2	MWD-F2	MWD-F2	MWD-F2	MWD-F3	MWD-F3	MWD-F3	MWD-F3	MWD-22	MWD-22	MWD-22
Sample ID			MWD-F1_11/4/00_NM	MWD-F1_7/26/02_NM	MWD-F1_11/1/02_NM	MWD-F1_1/23/04_NM	MW-1_6/30/04_NM	MWD-F1 (072211)	MWD-F2_11/3/00_NM	MWD-F2_7/26/02_NM	MWD-F2_11/1/02_NM	MWD-F2_1/23/04_NM	MW-2_6/30/04_NM	MWD-F2 (072211)	MWD-F3_11/3/00_NM	MWD-F3_11/1/02_NM	MWD-F3_1/23/04_NM	MWD-F3 (072211)	MWD-22_11/1/02_NM	MW-10_7/1/04_NM	MWD-22 (072111)
Sample Date			11/04/2000	07/26/2002	11/01/2002	01/23/2004	06/30/2004	07/22/2011	11/03/2000	07/26/2002	11/01/2002	01/23/2004	06/30/2004	07/22/2011	11/03/2000	11/01/2002	01/23/2004	07/22/2011	11/01/2002	07/01/2004	07/21/2011
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MWD-22	MWD-23	MWD-23	MWD-23	MWD-23	MWD-24	MWD-24	MWD-24	MWD-24	MWD-25	MWD-25	MWD-25	MWD-25	MWD-27	MWD-27	MWD-27	MWD-27	MWD-28	MWD-28
Sample ID			MWD-22(112513)	MWD-23_11/1/02_NM	MWD-8_6/30/04_NM	MWD-23 (072011)	MWD-23(112513)	MWD-24_11/1/02_NM	MW-4_6/30/04_NM	MWD-24 (072011)	MWD-24(112613)	MWD-25_11/1/02_NM	MW-12_7/1/04_NM	MWD-25 (072011)	MWD-25(112513)	MWD-27_12/19/02_NM	MW-26_7/3/04_NM	MWD-27_8/16/06_NM	MWD-27 (072211)	MWD-28_12/19/02_NM	MW-15_7/1/04_NM
Sample Date			11/25/2013	11/01/2002	06/30/2004	07/20/2011	11/25/2013	11/01/2002	06/30/2004	07/20/2011	11/26/2013	11/01/2002	07/01/2004	07/20/2011	11/25/2013	12/19/2002	07/03/2004	08/16/2006	07/22/2011	12/19/2002	07/01/2004
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
Anions (µg/L)																					
Ammonia Nitrogen			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																					
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																					
Antimony			--	< 20 U	< 6 U	--	--	< 20 U	< 6 U	--	--	< 20 U	< 6 U	--	--	< 20 U	< 6 U	--	--	< 20 U	< 6 U
Arsenic			--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U
Barium			--	35	< 10 U	--	--	22	15	--	--	17	< 10 U	--	--	34	23	--	--	24	< 10 U
Beryllium			--	< 4 U	< 4 U	--	--	< 4 U	< 4 U	--	--	< 4 U	< 4 U	--	--	< 4 U	< 4 U	--	--	< 4 U	< 4 U
Cadmium			--	--	< 5 U	--	--	--	< 5 U	--	--	--	< 5 U	--	--	--	< 5 U	--	--	--	< 5 U
Chromium			--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U
Cobalt			--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U
Copper			--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U
Lead			--	< 5 U	< 5 U	--	--	< 5 U	< 5 U	--	--	< 5 U	< 5 U	--	--	< 5 U	< 5 U	--	--	< 5 U	< 5 U
Mercury			--	--	< 0.2 U	--	--	--	< 0.2 U	--	--	--	< 0.2 U	--	--	--	< 0.2 U	--	--	--	< 0.2 U
Nickel			--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U
Selenium			--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U
Silver			--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U
Thallium			--	--	< 2 U	--	--	--	< 2 U	--	--	--	< 2 U	--	--	--	< 2 U	--	--	--	< 2 U
Tin			--	--	< 50 U	--	--	--	< 50 U	--	--	--	< 50 U	--	--	--	< 50 U	--	--	--	< 50 U
Vanadium			--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	13	--	--	< 10 U	< 10 U
Zinc			--	< 20 U	< 20 U	--	--	< 20 U	23	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	21
Herbicides (µg/L)																					
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/L)																					
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																					
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																					
1,1-Biphenyl	10	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
1,2,4-Trichlorobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
1,2-Dichlorobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
1,3,5-Trinitrobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
1,3-Dichlorobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
1,3-Dinitrobenzene	10	10	--	< 10 U	< 10 U	< 0.97 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	< 10 U	< 0.99 U	--	< 10 U	< 10 U	--	< 0.99 U	< 10 U	< 10 U
1,4-Dichlorobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
1,4-Dioxane	70	70	--	--	< 10 U	< 1.9 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 2.0 U	--	< 10 U
1,4-Naphthoquinone			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
1-Naphthylamine			--	--	< 10 U	< 4.9 U	--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 5.0 U	--	--	< 10 U	--	< 5.0 U	--	< 10 U
2,2-Oxybis(1-Chloropropane)			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2,3,4,6-Tetrachlorophenol			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2,4,5-Trichlorophenol			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2,4,6-Trichlorophenol			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2,4-Dichlorophenol			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2,4-Dimethylphenol	700	2000	--	--	< 10 U	< 1.9 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 2.0 U	--	< 10 U
2,4-Dinitrophenol			--	--	< 50 U	< 9.7 U	--	--	< 50 U	< 10 U	--	--	< 50 U	< 9.9 U	--	--	< 50 U	--	< 9.9 U	--	< 50 U
2,4-Dinitrotoluene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2,6-Dichlorophenol			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2,6-Dinitrotoluene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2-Acetylaminofluorene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2-Chloronaphthalene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2-Chlorophenol			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2-Methyl-4,6-dinitrophenol			--	--	< 50 U	< 4.9 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	--	< 5.0 U	--	< 50 U
2-Methylnaphthalene			--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
2-Methylphenol	10	5100	--	--	< 10 U	< 1.9 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 2.0 U	--	< 10 U

Well ID Sample ID Sample Date Sample Type	Type 1 RRS	Type 3/4 RRS	MWD-22 MWD-22(112513) 11/25/2013 N	MWD-23 MWD-23_11/1/02_NM 11/01/2002 N	MWD-23 MW-8_6/30/04_NM 06/30/2004 N	MWD-23 MWD-23 (072011) 07/20/2011 N	MWD-23 MWD-23(112513) 11/25/2013 N	MWD-24 MWD-24_11/1/02_NM 11/01/2002 N	MWD-24 MW-4_6/30/04_NM 06/30/2004 N	MWD-24 MWD-24 (072011) 07/20/2011 N	MWD-24 MWD-24(112613) 11/26/2013 N	MWD-25 MWD-25_11/1/02_NM 11/01/2002 N	MWD-25 MW-12_7/1/04_NM 07/01/2004 N	MWD-25 MWD-25 (072011) 07/20/2011 N	MWD-25 MWD-25(112513) 11/25/2013 N	MWD-27 MWD-27_12/19/02_NM 12/19/2002 N	MWD-27 MW-26_7/3/04_NM 07/03/2004 N	MWD-27 MWD-27_8/16/06_NM 08/16/2006 N	MWD-27 MWD-27 (072211) 07/22/2011 N	MWD-28 MWD-28_12/19/02_NM 12/19/2002 N	MWD-28 MW-15_7/1/04_NM 07/01/2004 N
2-Naphthylamine			--	--	< 10 U	< 4.9 U	--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 5.0 U	--	--	< 10 U	--	< 5.0 U	--	< 10 U
2-Nitroaniline			--	--	< 50 U	< 0.97 U	--	--	< 50 U	< 1.0 U	--	--	< 50 U	< 0.99 U	--	--	< 50 U	--	< 0.99 U	--	< 50 U
2-Nitrophenol			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
2-Picoline			--	--	< 10 U	< 1.9 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 2.0 U	--	< 10 U
3,3-Dichlorobenzidine			--	--	< 20 U	< 19 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	< 20 U
3,3-Dimethylbenzidine			--	--	< 20 U	< 19 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	< 20 U
3-Methylchloranthrene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	< 1.9 U	--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	--	--	< 2.0 U	--	--
3-Nitroaniline			--	--	< 50 U	< 4.9 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	--	< 5.0 U	--	< 50 U
4-Aminobiphenyl			--	--	< 10 U	< 4.9 U	--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 5.0 U	--	--	< 10 U	--	< 5.0 U	--	< 10 U
4-Bromophenyl phenyl ether			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
4-Chloro-3-Methylphenol			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
4-Chlorophenyl phenyl ether			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
4-Dimethylaminoazobenzene			--	--	< 10 U	< 4.9 U	--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 5.0 U	--	--	< 10 U	--	< 5.0 U	--	< 10 U
4-Methylphenol	10	10000	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U
4-Nitroaniline			--	--	< 50 U	< 4.9 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	--	< 5.0 U	--	< 50 U
4-Nitrophenol			--	--	< 50 U	< 4.9 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	--	< 5.0 U	--	< 50 U
4-Nitroquinoline-N-Oxide			--	--	< 20 U	< 1.9 U	--	--	< 20 U	< 2.0 U	--	--	< 20 U	< 2.0 U	--	--	< 20 U	--	< 2.0 U	--	< 20 U
5-Nitro-o-Toluidine			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
7,12-Dimethylbenz(a)anthracene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Acenaphthene	2000	6100	--	< 10 U	< 10 U	< 0.19 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	--	< 0.20 U	< 10 U	< 10 U
Acenaphthylene	10	10	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Acetophenone	4000	10000	--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Aniline	20	500	--	--	< 20 U	< 1.9 U	--	--	< 20 U	< 2.0 U	--	--	< 20 U	< 2.0 U	--	--	< 20 U	--	< 2.0 U	--	< 20 U
Anthracene	10	31000	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Aramite			--	--	< 10 U	< 1.5 U	--	--	< 10 U	< 1.5 U	--	--	< 10 U	< 1.5 U	--	--	< 10 U	--	< 1.5 U	--	< 10 U
Benzo(a)anthracene	10	10	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Benzo(a)pyrene	10	10	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Benzo(b)fluoranthene	10	10	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Benzo(g,h,i)perylene	10	10	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Benzo(k)fluoranthene	10	39	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Benzyl Alcohol			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
bis(2-Chloroethyl)ether			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
bis(2-Ethylhexyl)phthalate	**10**	200	< 2.0 U	< 10 U	< 10 U	**19**	< 2.0 U	< 10 U	< 10 U	**28**	< 1.9 U	< 10 U	< 10 U	**18**	< 2.0 U	< 10 U	< 10 U	--	< 2.0 U	< 10 U	< 10 U
Butyl benzyl phthalate	**100**	15061	--	< 10 U	< 10 U	< 0.97 U	--	< 10 U	100	< 1.0 U	--	< 10 U	< 10 U	< 0.99 U	--	< 10 U	< 10 U	--	< 0.99 U	< 10 U	< 10 U
Chrysene	10	40	--	< 10 U	< 10 U	< 0.19 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	--	< 0.20 U	< 10 U	< 10 U
Diallate			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Dibenzo(a,h)anthracene	10	10	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Dibenzofuran	10	10	--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Diethyl phthalate			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Dimethoate			--	--	--	< 1.9 U	--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	--	--	< 2.0 U	--	--
Dimethyl phthalate			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Dimethylphenethylamine			--	--	< 2000 U	< 9.7 U	--	--	< 2000 U	< 10 U	--	--	< 2000 U	< 9.9 U	--	--	< 2000 U	--	< 9.9 U	--	< 2000 U
Di-n-butyl phthalate			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Di-n-octyl phthalate	700	700	--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Dinoseb			--	--	< 10 U	< 1.9 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 2.0 U	--	< 10 U
Diphenyl ether			--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--
Disulfoton			--	--	--	< 0.97 U	--	--	--	< 1.0 U	--	--	--	< 0.99 U	--	--	--	--	< 0.99 U	--	--
Ethyl Methanesulfonate			--	--	< 10 U	< 1.9 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 2.0 U	--	< 10 U
Famphur			--	--	--	< 0.97 U	--	--	--	< 1.0 U	--	--	--	< 0.99 U	--	--	--	--	< 0.99 U	--	--
Fluoranthene	1000	4100	--	< 10 U	< 10 U	< 0.19 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	--	< 0.20 U	< 10 U	< 10 U
Fluorene	1000	4100	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Formaldehyde	1000	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 50 U	--	--	--
Hexachloro-1,3-butadiene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Hexachlorobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Hexachlorocyclopentadiene			--	--	< 10 U	< 1.9 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 2.0 U	--	< 10 U
Hexachloroethane			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Hexachlorophene			--	--	< 5000 U	< 490 U	--	--	< 5000 U	< 500 U	--	--	< 5000 U	< 500 U	--	--	< 5000 U	--	< 500 U	--	< 5000 U
Hexachloropropene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Indeno(1,2,3-cd)pyrene	10	10	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Isophorone			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Isosafrole			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Methapyrilene			--	--	< 2000 U	< 190 U	--	--	< 2000 U	< 200 U	--	--	< 2000 U	< 200 U	--	--	< 2000 U	--	< 200 U	--	< 2000 U
Methyl methanesulfonate			--	--	< 10 U	< 1.9 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 2.0 U	--	< 10 U
Methyl parathion			--	--	--	< 0.97 U	--	--	--	< 1.0 U	--	--	--	< 0.99 U	--	--	--	--	< 0.99 U	--	--
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	20	20	--	< 10 U	< 10 U	< 0.19 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	--	< 0.20 U	< 10 U	< 10 U
Nitrobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
N-Nitrosodiethylamine			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
N-Nitrosodimethylamine			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
N-Nitrosodi-n-butylamine	**10**	10	--	< 10 U	< 10 U	< 0.97 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	< 10 U	< 0.99 U	--	< 10 U	< 10 U	--	< 0.99 U	< 10 U	< 10 U
N-Nitrosodi-n-propylamine			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
N-Nitrosodiphenylamine			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
N-Nitrosomorpholine			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
N-Nitroso-N-methylethylamine	10	10	--	< 10 U	< 10 U	< 1.9 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	--	< 2.0 U	< 10 U	< 10 U
N-Nitrosopiperidine			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
N-Nitrosopyrrolidine			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
o,o,o-Triethyl phosphorothioate			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	< 0.97 U	--	--	--	< 1.0 U	--	--	--	< 0.99 U	--	--	--	--	< 0.99 U	--	--
o-Toluidine			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Parathion	200	610	--	--	--	< 1.9 U	--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	--	--	< 2.0 U	--	--
p-Chloroaniline			--	--	< 20 U	< 1.9 U	--	--	< 20 U	< 2.0 U	--	--	< 20 U	< 2.0 U	--	--	< 20 U	--	< 2.0 U	--	< 20 U
Pentachlorobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Pentachloronitrobenzene			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Pentachlorophenol			--	--	< 50 U	< 4.9 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	--	< 5.0 U	--	< 50 U
Phenacetin			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U

Well ID Sample ID Sample Date Sample Type	Type 1 RRS	Type 3/4 RRS	MWD-22 MWD-22(112513) 11/25/2013 N	MWD-23 MWD-23_11/1/02_NM 11/01/2002 N	MWD-23 MW-8_6/30/04_NM 06/30/2004 N	MWD-23 MWD-23 (072011) 07/20/2011 N	MWD-23 MWD-23(112513) 11/25/2013 N	MWD-24 MWD-24_11/1/02_NM 11/01/2002 N	MWD-24 MW-4_6/30/04_NM 06/30/2004 N	MWD-24 MWD-24 (072011) 07/20/2011 N	MWD-24 MWD-24(112613) 11/26/2013 N	MWD-25 MWD-25_11/1/02_NM 11/01/2002 N	MWD-25 MW-12_7/1/04_NM 07/01/2004 N	MWD-25 MWD-25 (072011) 07/20/2011 N	MWD-25 MWD-25(112513) 11/25/2013 N	MWD-27 MWD-27_12/19/02_NM 12/19/2002 N	MWD-27 MW-26_7/3/04_NM 07/03/2004 N	MWD-27 MWD-27_8/16/06_NM 08/16/2006 N	MWD-27 MWD-27 (072211) 07/22/2011 N	MWD-28 MWD-28_12/19/02_NM 12/19/2002 N	MWD-28 MW-15_7/1/04_NM 07/01/2004 N
Phenanthrene	10	10	--	--	< 10 U	< 0.19 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 0.20 U	--	< 10 U
Phenol	4		--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Phorate			--	--	--	< 0.97 U	--	--	--	< 1.0 U	--	--	--	< 0.99 U	--	--	--	--	< 0.99 U	--	--
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	< 2000 U	< 190 U	--	--	< 2000 U	< 200 U	--	--	< 2000 U	< 200 U	--	--	< 2000 U	--	< 200 U	--	< 2000 U
Propyzamide			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Pyrene	1000	3100	--	< 10 U	< 10 U	< 0.19 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	--	< 0.20 U	< 10 U	< 10 U
Pyridine			--	--	< 50 U	< 4.9 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 50 U	--	< 5.0 U	--	< 50 U
Safrole			--	--	< 10 U	< 0.97 U	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U	--	--	< 10 U	--	< 0.99 U	--	< 10 U
Sulfotep			--	--	--	< 0.97 U	--	--	--	< 1.0 U	--	--	--	< 0.99 U	--	--	--	--	< 0.99 U	--	--
Volatile Organic Compounds (µg/L)																					
1,1,1,2-Tetrachloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,1,1-Trichloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,1,2,2-Tetrachloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,1,2-Trichloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,1-Dichloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,1-Dichloroethene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,2,3-Trichloropropane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,2,4-Trichlorobenzene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--
1,2-Dibromo-3-chloropropane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,2-Dibromoethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,2-Dichlorobenzene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--
1,2-Dichloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,2-Dichloropropane	5	7.4	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
1,3-Dichlorobenzene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--
1,4-Dichlorobenzene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--
1,4-Dioxane	70	70	--	--	--	< 50 U	--	--	--	< 50 U	--	--	--	< 50 U	--	--	--	--	< 50 U	--	--
2-Butanone (MEK)	2000	12000	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	< 10 U
2-Chlor-1,3-Butadiene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
2-Chloroethyl vinyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	10000	31000	--	< 200 U	< 40 U	< 40 U	--	< 200 U	< 40 U	< 40 U	--	< 200 U	< 40 U	< 40 U	--	< 200 U	< 40 U	--	< 40 U	< 200 U	< 40 U
4-Methyl-2-Pentanone	2000	4200	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	< 10 U
Acetone	4000	46000	--	< 50 U	< 25 U	< 25 U	--	< 50 U	< 25 U	< 25 U	--	< 50 U	< 25 U	< 25 U	--	< 50 U	< 25 U	--	< 25 U	< 50 U	< 25 U
Acetonitrile	200	200	--	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	--	< 40 U	--	< 40 U	--	< 40 U
Acrolein	700	700	--	< 100 U	< 20 U	< 20 U	--	< 100 U	< 20 U	< 20 U	--	< 100 U	< 20 U	< 20 U	--	< 100 U	< 20 U	--	< 20 U	< 100 U	< 20 U
Acrylonitrile			--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	< 20 U
Allyl chloride			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Benzene	5	8.7	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	< 5 U	< 1 U
Bromodichloromethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Bromoform			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Bromomethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Carbon Disulfide	4000	4000	--	--	< 1 U	< 2.0 U	--	--	< 1 U	< 2.0 U	--	--	< 1 U	< 2.0 U	--	--	< 1 U	--	< 2.0 U	--	< 1 U
Carbon Tetrachloride			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
CFC-11 (Trichlorofluoromethane)			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
CFC-12 (Dichlorodifluoromethane)			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Chlorobenzene	100	140	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Chlorodibromomethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Chloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Chloroform			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Chloromethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
cis-1,3-Dichloropropene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Dibromomethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Dichloromethane			--	--	< 5 U	< 5.0 U	--	--	< 5 U	< 5.0 U	--	--	< 5 U	< 5.0 U	--	--	< 5 U	--	< 5.0 U	--	< 5 U
Ethyl Methacrylate	3000	3000	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Ethylbenzene	700	700	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	--	< 1.0 U	< 5 U	< 1 U
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	--	< 1 U	< 5.0 U	--	--	< 1 U	< 5.0 U	--	--	< 1 U	< 5.0 U	--	--	< 1 U	--	< 5.0 U	--	< 1 U
m&p-Xylenes			--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	--	--	--	--	--
Methyl methacrylate			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Methyl N-Butyl Ketone (2-Hexanone)			--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	< 10 U
Methylacrylonitrile			--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	< 20 U
Naphthalene	20	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Pentachloroethane			--	--	< 5 U	< 5.0 U	--	--	< 5 U	< 5.0 U	--	--	< 5 U	< 5.0 U	--	--	< 5 U	--	< 5.0 U	--	< 5 U
Propionitrile			--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	< 20 U
Styrene (Monomer)	100	2600	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Tetrachloroethene	5	98	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Toluene	1000	5200	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	--	< 1.0 U	< 5 U	< 1 U
Total Xylenes	2	10000	--	< 10 U	< 2 U	< 2.0 U	--	< 10 U	< 2 U	< 2.0 U	--	< 10 U	< 2 U	< 2.0 U	--	< 10 U	< 2 U	--	< 2.0 U	< 10 U	< 2 U
trans-1,2-Dichloroethene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
trans-1,3-Dichloropropene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
trans-1,4-Dichloro-2-butene	2	2	--	--	< 2 U	< 2.0 U	--	--	< 2 U	< 2.0 U	--	--	< 2 U	< 2.0 U	--	--	< 2 U	--	< 2.0 U	--	< 2 U
Trichloroethene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U
Vinyl acetate			--	--	< 2 U	< 2.0 U	--	--	< 2 U	< 2.0 U	--	--	< 2 U	< 2.0 U	--	--	< 2 U	--	< 2.0 U	--	< 2 U
Vinyl chloride			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1 U	--	< 1.0 U	--	< 1 U

Notes:
Bold: Concentration exceeds the Type 1/2 RRS
Shaded: Concentration exceeds the Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
mg/L = milligram per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
J = Result is estimated

Well ID	Type 1 RRS	Type 3/4 RRS	MWD-22	MWD-23	MWD-23	MWD-23	MWD-23	MWD-24	MWD-24	MWD-24	MWD-24	MWD-25	MWD-25	MWD-25	MWD-25	MWD-27	MWD-27	MWD-27	MWD-27	MWD-28	MWD-28
Sample ID			MWD-22(112513)	MWD-23_11/1/02_NM	MW-8_6/30/04_NM	MWD-23 (072011)	MWD-23(112513)	MWD-24_11/1/02_NM	MW-4_6/30/04_NM	MWD-24 (072011)	MWD-24(112613)	MWD-25_11/1/02_NM	MW-12_7/1/04_NM	MWD-25 (072011)	MWD-25(112513)	MWD-27_12/19/02_NM	MW-26_7/3/04_NM	MWD-27_8/16/06_NM	MWD-27 (072211)	MWD-28_12/19/02_NM	MW-15_7/1/04_NM
Sample Date			11/25/2013	11/01/2002	06/30/2004	07/20/2011	11/25/2013	11/01/2002	06/30/2004	07/20/2011	11/26/2013	11/01/2002	07/01/2004	07/20/2011	11/25/2013	12/19/2002	07/03/2004	08/16/2006	07/22/2011	12/19/2002	07/01/2004
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MWD-28	MWD-29	MWD-29	MWD-29	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30
Sample ID			MWD-28 (072211)	MWD-29_11/19/08_NM	MWD-29 (072111)	MWD-29(112613)	MWD-30_11/19/08_NM	MWD-30 (072211)	MWD-30(11122013)	MWD-30 (052214)	MWD-30 (110414)	MWD-30 (050415)	DUP-01 (050415)	MWD-30 (110315)	MWD-30 (050316)	MWD-30 (122717)
Sample Date			07/22/2011	11/19/2008	07/21/2011	11/26/2013	11/19/2008	07/22/2011	11/12/2013	05/22/2014	11/04/2014	05/04/2015	05/04/2015	11/03/2015	05/03/2016	12/27/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Aquifer			Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep	Deep
Anions (µg/L)																
Ammonia Nitrogen			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tin			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/L)																
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/L)																
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																
1,1-Biphenyl	10	10	--	--	--	--	--	--	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	< 1.1 U	< 1.1 U	< 1.0 U
1,2,4,5-Tetrachlorobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
1,2,4-Trichlorobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
1,2-Dichlorobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
1,3,5-Trinitrobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
1,3-Dichlorobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
1,3-Dinitrobenzene	10	10	< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	< 1.1 U	< 1.1 U	< 1.0 U
1,4-Dichlorobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
1,4-Dioxane	70	70	< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	< 2.1 U	< 2.3 U	< 2.1 U
1,4-Naphthoquinone			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 9.9 U	< 9.7 U	--	--	--	--
1-Naphthylamine			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 4.9 U	< 4.8 U	--	--	--	--
2,2-Oxybis(1-Chloropropane)			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2,3,4,6-Tetrachlorophenol			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2,4,5-Trichlorophenol			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2,4,6-Trichlorophenol			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2,4-Dichlorophenol			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2,4-Dimethylphenol	700	2000	< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	< 2.1 U	< 2.3 U	< 2.1 U
2,4-Dinitrophenol			< 9.9 U	--	< 10 U	--	--	< 9.6 U	< 9.9 U	< 11 U	< 9.9 U	< 9.7 U	--	--	--	--
2,4-Dinitrotoluene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2,6-Dichlorophenol			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2,6-Dinitrotoluene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2-Acetylaminofluorene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2-Chloronaphthalene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2-Chlorophenol			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2-Methyl-4,6-dinitrophenol			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 4.9 U	< 4.8 U	--	--	--	--
2-Methylnaphthalene			< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	--	--	--
2-Methylphenol	10	5100	< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	< 2.1 U	< 2.3 U	< 2.1 U

Well ID	Type 1 RRS	Type 3/4 RRS	MWD-28	MWD-29	MWD-29	MWD-29	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30
Sample ID			MWD-28 (072211)	MWD-29_11/19/08_NM	MWD-29 (072111)	MWD-29(112613)	MWD-30_11/19/08_NM	MWD-30 (072211)	MWD-30(11122013)	MWD-30 (052214)	MWD-30 (110414)	MWD-30 (050415)	DUP-01 (050415)	MWD-30 (110315)	MWD-30 (050316)	MWD-30 (122717)
Sample Date			07/22/2011	11/19/2008	07/21/2011	11/26/2013	11/19/2008	07/22/2011	11/12/2013	05/22/2014	11/04/2014	05/04/2015	05/04/2015	11/03/2015	05/03/2016	12/27/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	FD	N	N	N
2-Naphthylamine			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 4.9 U	< 4.8 U	--	--	--	--
2-Nitroaniline			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2-Nitrophenol			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
2-Picoline			< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--
3,3-Dichlorobenzidine			< 20 U	--	< 20 U	--	--	< 19 U	< 20 U	< 21 U	< 20 U	< 19 U	--	--	--	--
3,3-Dimethylbenzidine			< 20 U	--	< 20 U	--	--	< 19 U	< 20 U	< 21 U	< 20 U	< 19 U	--	--	--	--
3-Methylchloranthrene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
3-Methylphenol, 4-Methylphenol	10	5100	< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	--	--	--	--	--	--	--	--
3-Nitroaniline			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 4.9 U	< 4.8 U	--	--	--	--
4-Aminobiphenyl			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 4.9 U	< 4.8 U	--	--	--	--
4-Bromophenyl phenyl ether			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
4-Chloro-3-Methylphenol			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
4-Chlorophenyl phenyl ether			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
4-Dimethylaminoazobenzene			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 4.9 U	< 4.8 U	--	--	--	--
4-Methylphenol	10	10000	--	--	--	--	--	--	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	< 2.1 U	< 2.3 U	< 2.1 U
4-Nitroaniline			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 4.9 U	< 4.8 U	--	--	--	--
4-Nitrophenol			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 7.9 U	< 7.7 U	--	--	--	--
4-Nitroquinoline-N-Oxide			< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--
5-Nitro-o-Toluidine			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
7,12-Dimethylbenz(a)anthracene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 2.0 U	< 1.9 U	--	--	--	--
Acenaphthene	2000	6100	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Acenaphthylene	10	10	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Acetophenone	4000	10000	< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	< 1.1 U	< 1.1 U	< 1.0 U
Aniline	20	500	< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	< 2.1 U	< 2.3 U	< 2.1 U
Anthracene	10	31000	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Aramite			< 1.5 U	--	< 1.5 U	--	--	< 1.4 U	< 1.5 U	< 1.6 U	< 2.0 U	< 1.9 U	--	--	--	--
Benzo(a)anthracene	10	10	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Benzo(a)pyrene	10	10	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Benzo(b)fluoranthene	10	10	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Benzo(g,h,i)perylene	10	10	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Benzo(k)fluoranthene	10	39	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Benzyl Alcohol			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
bis(2-Chloroethyl)ether			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	< 1.1 U	< 1.1 U	< 1.0 U
bis(2-Ethylhexyl)phthalate	**10**	200	< 2.0 U	--	2.7 B	< 2.0 U	--	< 1.9 U	< 2.0 U	< 2.1 U	< 4.9 U	< 4.8 U	--	< 5.4 U	< 5.6 U	< 5.2 U
Butyl benzyl phthalate	**100**	15061	< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	< 1.1 U	< 1.1 U	< 1.0 U
Chrysene	10	40	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Diallate			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Dibenzo(a,h)anthracene	10	10	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Dibenzofuran	10	10	< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	0.17 J	0.15 J	0.15 J
Diethyl phthalate			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Dimethoate			< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--
Dimethyl phthalate			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Dimethylphenethylamine			< 9.9 U	--	< 10 U	--	--	< 9.6 U	< 9.9 U	< 11 U	< 9.9 U	< 9.7 U	--	--	--	--
Di-n-butyl phthalate			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Di-n-octyl phthalate	700	700	< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	< 1.1 U	< 1.1 U	< 1.0 U
Dinoseb			< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--
Diphenyl ether			--	--	--	--	--	--	--	--	--	< 0.97 U	--	--	--	--
Disulfoton			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Ethyl Methanesulfonate			< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--
Famphur			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Fluoranthene	1000	4100	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Fluorene	1000	4100	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	0.15 J	0.13 J	0.13 J
Formaldehyde	1000	20000	--	--	--	--	--	--	--	--	--	--	--	--	< 50 U	--
Hexachloro-1,3-butadiene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Hexachlorobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Hexachlorocyclopentadiene			< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--
Hexachloroethane			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Hexachlorophene			< 500 U	--	< 500 U	--	--	< 480 U	< 500 U	< 530 U	< 490 U	< 480 U	--	--	--	--
Hexachloropropene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Indeno(1,2,3-cd)pyrene	10	10	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Isophorone			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Isosafrole			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Methapyrilene			< 200 U	--	< 200 U	--	--	< 190 U	< 200 U	< 210 U	< 200 U	< 190 U	--	--	--	--
Methyl methanesulfonate			< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	--	--	--
Methyl parathion			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	< 4.5 U	--
Naphthalene	20	20	< 0.20 U	< 0.19 U	0.22	--	0.059 J	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Nitrobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
N-Nitrosodiethylamine			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
N-Nitrosodimethylamine			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
N-Nitrosodi-n-butylamine	**10**	10	< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	< 1.1 U	< 1.1 U	< 1.0 U
N-Nitrosodi-n-propylamine			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
N-Nitrosodiphenylamine			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
N-Nitrosomorpholine			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
N-Nitroso-N-methylethylamine	10	10	< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	< 2.1 U	< 2.3 U	< 2.1 U
N-Nitrosopiperidine			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
N-Nitrosopyrrolidine			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
o,o,o-Triethyl phosphorothioate			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
o-Toluidine			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Parathion	200	610	< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 2.0 U	< 1.9 U	--	< 2.1 U	< 2.3 U	< 2.1 U
p-Chloroaniline			< 2.0 U	--	< 2.0 U	--	--	< 1.9 U	< 2.0 U	< 2.1 U	< 4.0 U	< 3.9 U	--	--	--	--
Pentachlorobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Pentachloronitrobenzene			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Pentachlorophenol			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 4.9 U	< 4.8 U	--	--	--	--
Phenacetin			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MWD-28	MWD-29	MWD-29	MWD-29	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30
Sample ID			MWD-28 (072211)	MWD-29_11/19/08_NM	MWD-29 (072111)	MWD-29(112613)	MWD-30_11/19/08_NM	MWD-30 (072211)	MWD-30(11122013)	MWD-30 (052214)	MWD-30 (110414)	MWD-30 (050415)	DUP-01 (050415)	MWD-30 (110315)	MWD-30 (050316)	MWD-30 (122717)
Sample Date			07/22/2011	11/19/2008	07/21/2011	11/26/2013	11/19/2008	07/22/2011	11/12/2013	05/22/2014	11/04/2014	05/04/2015	05/04/2015	11/03/2015	05/03/2016	12/27/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Phenanthrene	10	10	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Phenol	4		< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	< 1.1 U	< 1.1 U	< 1.0 U
Phorate			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			< 200 U	--	< 200 U	--	--	< 190 U	< 200 U	< 210 U	< 200 U	< 190 U	--	--	--	--
Propyzamide			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Pyrene	1000	3100	< 0.20 U	--	< 0.20 U	--	--	< 0.19 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.19 U	--	< 0.21 U	< 0.23 U	< 0.21 U
Pyridine			< 5.0 U	--	< 5.0 U	--	--	< 4.8 U	< 5.0 U	< 5.3 U	< 4.9 U	< 4.8 U	--	--	--	--
Safrole			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Sulfotep			< 0.99 U	--	< 1.0 U	--	--	< 0.96 U	< 0.99 U	< 1.1 U	< 0.99 U	< 0.97 U	--	--	--	--
Volatile Organic Compounds (µg/L)																
1,1,1,2-Tetrachloroethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1,1-Trichloroethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1,2,2-Tetrachloroethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1,2-Trichloroethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1-Dichloroethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1-Dichloroethene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,2,3-Trichloropropane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,2,4-Trichlorobenzene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
1,2-Dibromo-3-chloropropane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
1,2-Dibromoethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,2-Dichlorobenzene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,2-Dichloroethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,2-Dichloropropane	5	7.4	< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
1,3-Dichlorobenzene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,4-Dichlorobenzene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,4-Dioxane	70	70	< 50 U	--	< 50 U	--	--	< 50 U	--	--	< 100 U	< 100 U	< 100 U	--	--	--
2-Butanone (MEK)	2000	12000	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 250 U	< 10 U
2-Chlor-1,3-Butadiene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
2-Chloroethyl vinyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	10000	31000	< 40 U	--	< 40 U	--	--	< 40 U	< 40 U	< 40 U	< 50 U	< 50 U	< 50 U	< 50 U	< 250 U	< 50 U
4-Methyl-2-Pentanone	2000	4200	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 10 U
Acetone	4000	46000	< 25 U	--	< 25 U	--	--	< 25 U	< 25 U	< 25 U	< 10 U	< 10 U	< 10 U	< 10 U	< 130 U	< 10 U
Acetonitrile	200	200	< 40 U	--	< 40 U	--	--	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 100 U	< 40 U
Acrolein	700	700	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 250 U	< 20 U
Acrylonitrile			< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	--	--
Allyl chloride			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Benzene	5	8.7	< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Bromodichloromethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Bromoform			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Bromomethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
Carbon Disulfide	4000	4000	< 2.0 U	--	< 2.0 U	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 5.0 U	< 2.0 U
Carbon Tetrachloride			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
CFC-11 (Trichlorofluoromethane)			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
CFC-12 (Dichlorodifluoromethane)			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Chlorobenzene	100	140	< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Chlorodibromomethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Chloroethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
Chloroform			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Chloromethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
cis-1,3-Dichloropropene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Dibromomethane			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Dichloromethane			< 5.0 U	--	< 5.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
Ethyl Methacrylate	3000	3000	< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	< 1.0 U
Ethylbenzene	700	700	< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
Iodomethane			< 5.0 U	--	< 5.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	--	--	--
m&p-Xylenes			--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	< 1.0 U
Methyl methacrylate			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	< 2.0 U	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--
Methylacrylonitrile			< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	--	--
Naphthalene	20	20	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	< 10 U	--
o-Xylene			--	--	< 1.0 U	--	--	--	--	--	--	--	--	< 1.0 U	< 5.0 U	< 1.0 U
Pentachloroethane			< 5.0 U	--	< 5.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
Propionitrile			< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	--	--
Styrene (Monomer)	100	2600	< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Tetrachloroethene	5	98	< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Toluene	1000	5200	< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Total Xylenes	2	10000	< 2.0 U	--	< 2.0 U	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 15 U	< 1.0 U
trans-1,2-Dichloroethene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
trans-1,3-Dichloropropene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
trans-1,4-Dichloro-2-butene	2	2	< 2.0 U	--	< 2.0 U	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 25 U	< 2.0 U
Trichloroethene			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Vinyl acetate			< 2.0 U	--	< 2.0 U	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--	--	--
Vinyl chloride			< 1.0 U	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--

Notes:
Bold: Concentration exceeds the Type 1/2 RRS
Shaded: Concentration exceeds the Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
mg/L = milligram per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
J = Result is estimated

Well ID	Type 1 RRS	Type 3/4 RRS	MWD-28	MWD-29	MWD-29	MWD-29	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30	MWD-30
Sample ID			MWD-28 (072211)	MWD-29_11/19/08_NM	MWD-29 (072111)	MWD-29(112613)	MWD-30_11/19/08_NM	MWD-30 (072211)	MWD-30(11122013)	MWD-30 (052214)	MWD-30 (110414)	MWD-30 (050415)	DUP-01 (050415)	MWD-30 (110315)	MWD-30 (050316)	MWD-30 (122717)
Sample Date			07/22/2011	11/19/2008	07/21/2011	11/26/2013	11/19/2008	07/22/2011	11/12/2013	05/22/2014	11/04/2014	05/04/2015	05/04/2015	11/03/2015	05/03/2016	12/27/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	FD	N	N	N

U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3
Sample ID			MW-F1_10/31/00_NM	MW-F1_11/1/02_NM	MW-F1_1/20/04_NM	MW-F1_1/20/04_DUP	MW-6_6/30/04_NM	MW-6_6/30/04_DUP	MW-F1 (071911)	MW-F1(112613)	MW-F2_10/31/00_NM	MW-F2_1/25/01_NM	MW-F2_11/1/02_NM	MW-F2_1/20/04_NM	MW-7_6/30/04_NM	MW-F2_11/19/08_NM	MW-F2 (071911)	MW-F2(112513)	MW-F3_10/30/00_NM	MW-F3_10/30/00_DUP	MW-F3_1/25/01_NM	MW-F3_7/26/02_NM	MW-F3_11/1/02_NM	MW-F3_1/21/04_NM	MW-27_7/3/04_NM	MW-F3_8/16/06_NM	DUP # 5_8/16/06_DUP
Sample Date			10/31/2000	11/01/2002	01/20/2004	01/20/2004	06/30/2004	06/30/2004	07/19/2011	11/26/2013	10/31/2000	01/25/2001	11/01/2002	01/20/2004	06/30/2004	11/19/2008	07/19/2011	11/25/2013	10/30/2000	10/30/2000	01/25/2001	07/26/2002	11/01/2002	01/21/2004	07/03/2004	08/16/2006	08/16/2006
Sample Type			N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																											
Ammonia Nitrogen			130	--	--	--	--	--	--	--	170	--	--	--	--	--	--	--	< 0.03 U	< 0.03 U	--	--	--	--	--	--	--
Chloride			43000	--	--	--	--	--	--	--	10000	--	--	--	--	--	--	--	13000	13000	--	--	--	--	--	--	--
Fluoride (F-, Anion)			< 200 U	--	--	--	--	--	--	--	470	--	--	--	--	--	--	--	< 200 U	< 200 U	--	--	--	--	--	--	--
Nitrate/Nitrite			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Sulfate			< 2.2 U	--	--	--	--	--	--	--	39000	--	--	--	--	--	--	--	28000	27000	--	--	--	--	--	--	--
Sulfide			< 1000 UJ	--	--	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	--	--	1300	2500	--	--	--	--	--	--	--
Asbestos (MFL)																											
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																											
Cyanide			< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			520000	--	--	--	--	--	--	--	280000	--	--	--	--	--	--	--	140000	120000	--	--	--	--	--	--	--
Total Organic Carbon			5100	--	--	--	--	--	--	--	3300	--	--	--	--	--	--	--	< 1 U	< 1 U	--	--	--	--	--	--	--
Dioxins and Furans (µg/L)																											
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																											
Antimony			< 20 U	< 20 U	--	--	< 6 U	< 6 U	--	--	< 20 U	--	< 20 U	--	< 6 U	--	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 6 U	--	--
Arsenic			< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	--
Barium			100	27	--	--	28	27	--	--	25	--	42	--	39	--	--	--	14	< 10 U	--	--	140	--	17	--	--
Beryllium			< 4 U	< 4 U	--	--	< 4 U	< 4 U	--	--	< 4 U	--	< 4 U	--	< 4 U	--	--	--	< 4 U	< 4 U	--	--	< 4 U	--	< 4 U	--	--
Cadmium			< 5 U	--	--	--	< 5 U	< 5 U	--	--	< 5 U	--	--	--	< 5 U	--	--	--	< 5 U	< 5 U	--	--	--	--	< 5 U	--	--
Chromium			< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	11	--	< 10 U	--	--
Cobalt			< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	--
Copper			< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	--
Lead			< 5 U	< 5 U	--	--	< 5 U	< 5 U	--	--	< 5 U	--	< 5 U	--	< 5 U	--	--	--	< 5 U	< 5 U	--	--	5.1	--	< 5 U	--	--
Mercury			< 0.2 U	--	--	--	< 0.2 U	< 0.2 U	--	--	< 0.2 U	--	--	--	< 0.2 U	--	--	--	< 0.2 U	< 0.2 U	--	--	--	--	< 0.2 U	--	--
Nickel			< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	--	< 40 U	--	< 40 U	--	< 40 U	--	--	--	< 40 U	< 40 U	--	--	< 40 U	--	< 40 U	--	--
Selenium			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	--	< 10 U	--	--
Silver			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	--	38	--	--
Thallium			< 10 U	--	--	--	< 2 U	< 2 U	--	--	< 10 U	--	--	--	< 2 U	--	--	--	< 10 U	< 10 U	--	--	--	--	< 2 U	--	--
Tin			< 50 U	--	--	--	< 50 U	< 50 U	--	--	< 50 U	--	--	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	--	< 50 U	--	--
Vanadium			< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	14	--	< 10 U	--	--
Zinc			< 20 UJ	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 UJ	--	< 20 U	--	< 20 U	--	--	--	< 20 UJ	< 25 UJ	--	--	< 20 U	--	< 20 U	--	--
Herbicides (µg/L)																											
2,4,5-T (Trichlorophenoxyacetic Acid)			< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	< 0.5 U	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	< 0.5 U	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	< 0.5 U	--	--	--	--	--	--	--
Pesticides (µg/L)																											
4,4-DDD (Rhothane)			< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--
Aldrin			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Alpha-BHC			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Beta-BHC			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Chlordane			< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	< 0.5 U	--	--	--	--	--	--	--
Chlorobenzilate			< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	< 0.5 U	--	--	--	--	--	--	--
Delta-BHC			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Dieldrin			< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--
Endosulfan I			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Endosulfan II			< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--
Endosulfan sulfate			< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--
Endrin			< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	--	--	--	--	--	--	--
Endrin aldehyde			< 0.1 UJ	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 UJ	< 0.1 UJ	--	--	--	--	--	--	--
Heptachlor			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Heptachlor epoxide			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Isodrin			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Kepone			< 1 U	--	--	--	--	--	--	--	< 1 U	--	--	--	--	--	--	--	< 1 U	< 1 U	--	--	--	--	--	--	--
Methoxychlor			< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	< 0.5 U	--	--	--	--	--	--	--
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	--	--	--	--	--	--	--
Toxaphene			< 5 U	--	--	--	--	--	--	--	< 5 U	--	--	--	--	--	--	--	< 5 U	< 5 U	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																											
Diesel Range Organics			170	--	< 100 U	< 100 U	--	--	--	--	< 100 UJ	--	--	120	--	--	--	--	230	610	--	--	--	110	--	--	--
Gasoline Range Organics			< 50 U	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	< 50 U	< 50 U	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																											
1,1-Biphenyl	**10**	10	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
1,2,4-Trichlorobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
1,2-Dichlorobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
1,3,5-Trinitrobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
1,3-Dichlorobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
1,3-Dinitrobenzene	**10**	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 9.6 U
1,4-Dichlorobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
1,4-Dioxane	70	70	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
1,4-Naphthoquinone			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
1-Naphthylamine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 4.9 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2,2-Oxybis(1-Chloropropane)			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2,3,4,6-Tetrachlorophenol			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2,4,5-Trichlorophenol			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2,4,6-Trichlorophenol			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2,4-Dichlorophenol			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2,4-Dimethylphenol	700	2000	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2,4-Dinitrophenol			< 50 U	--	< 50 U	< 50 U	< 50 U	< 50 U	< 9.9 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 9.9 U	--	< 50 U	< 50 U	--	--	--	< 50 U	< 50 U	--	--
2,4-Dinitrotoluene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2,6-Dichlorophenol			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2,6-Dinitrotoluene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2-Acetylaminofluorene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2-Chloronaphthalene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2-Chlorophenol			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2-Methyl-4,6-dinitrophenol			< 50 U	--	< 50 U	< 50 U	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 4.9 U	--	< 50 U	< 50 U	--	--	--	< 50 U	< 50 U	--	--
2-Methylnaphthalene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2-Methylphenol	10	5100	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3
Sample ID			MW-F1_10/31/00_NM	MW-F1_11/1/02_NM	MW-F1_1/20/04_NM	MW-F1_1/20/04_DUP	MW-6_6/30/04_NM	MW-6_6/30/04_DUP	MW-F1 (071911)	MW-F1(112613)	MW-F2_10/31/00_NM	MW-F2_1/25/01_NM	MW-F2_11/1/02_NM	MW-F2_1/20/04_NM	MW-7_6/30/04_NM	MW-F2_11/19/08_NM	MW-F2 (071911)	MW-F2(112513)	MW-F3_10/30/00_NM	MW-F3_10/30/00_DUP	MW-F3_1/25/01_NM	MW-F3_7/26/02_NM	MW-F3_11/1/02_NM	MW-F3_1/21/04_NM	MW-27_7/3/04_NM	MW-F3_8/16/06_NM	DUP # 5_8/16/06_DUP
Sample Date			10/31/2000	11/01/2002	01/20/2004	01/20/2004	06/30/2004	06/30/2004	07/19/2011	11/26/2013	10/31/2000	01/25/2001	11/01/2002	01/20/2004	06/30/2004	11/19/2008	07/19/2011	11/25/2013	10/30/2000	10/30/2000	01/25/2001	07/26/2002	11/01/2002	01/21/2004	07/03/2004	08/16/2006	08/16/2006
Sample Type			N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 4.9 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2-Nitroaniline			< 50 U	--	< 50 U	< 50 U	< 50 U	< 50 U	< 0.99 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 0.99 U	--	< 50 U	< 50 U	--	--	--	< 50 U	< 50 U	--	--
2-Nitrophenol			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2-Picoline			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
3,3-Dichlorobenzidine			< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	--
3,3-Dimethylbenzidine			< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	--
3-Methylchloranthrene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			< 50 U	--	< 50 U	< 50 U	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 4.9 U	--	< 50 U	< 50 U	--	--	--	< 50 U	< 50 U	--	--
4-Aminobiphenyl			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 4.9 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
4-Bromophenyl phenyl ether			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
4-Chloro-3-Methylphenol			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
4-Chlorophenyl phenyl ether			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
4-Dimethylaminoazobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 4.9 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
4-Methylphenol	**10**	10000	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 10 U	--	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
4-Nitroaniline			< 50 U	--	< 50 U	< 50 U	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 4.9 U	--	< 50 U	< 50 U	--	--	--	< 50 U	< 50 U	--	--
4-Nitrophenol			< 50 U	--	< 50 U	< 50 U	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 4.9 U	--	< 50 U	< 50 U	--	--	--	< 50 U	< 50 U	--	--
4-Nitroquinoline-N-Oxide			< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 2.0 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	--
5-Nitro-o-Toluidine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
7,12-Dimethylbenz(a)anthracene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Acenaphthene	2000	6100	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	14	0.032 J	< 0.20 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	--
Acenaphthylene	10	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Acetophenone	4000	10000	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Aniline	20	500	< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 2.0 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--
Anthracene	10	31000	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Aramite			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 1.5 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 1.5 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Benzo(a)pyrene	10	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Benzo(b)fluoranthene	10	10	< 10 U	--	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	--	< 10 U	--	--
Benzo(g,h,i)perylene	10	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Benzo(k)fluoranthene	10	39	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Benzyl Alcohol			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
beta-Pinene			< 100 U	--	< 10 U	< 10 U	--	--	--	--	< 100 U	--	--	< 10 U	--	--	--	--	< 100 U	< 100 U	--	--	--	< 10 U	--	--	--
bis(2-Chloroethoxy)methane			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
bis(2-Chloroethyl)ether			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
bis(2-Ethylhexyl)phthalate	**10**	200	**17**	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**22**	< 2.0 U	< 10 UJ	--	< 10 U	< 10 U	< 10 U	--	**18**	< 2.0 U	**110**	**21**	< 10 U	--	< 10 U	< 10 U	< 10 U	--	--
Butyl benzyl phthalate	100	15061	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	--
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	--
Diallate			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Dibenzo(a,h)anthracene	10	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Dibenzofuran	**10**	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	**11**	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Diethyl phthalate			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Dimethoate			< 10 U	--	--	--	--	--	< 2.0 U	--	< 10 U	--	--	--	--	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--
Dimethyl phthalate			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Dimethylphenethylamine			< 2000 U	--	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 9.9 U	--	< 2000 U	--	--	< 2000 U	< 2000 U	--	< 9.9 U	--	< 2000 U	< 2000 U	--	--	--	< 2000 U	< 2000 U	--	--
Di-n-butyl phthalate			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Di-n-octyl phthalate	700	700	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Dinoseb			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Diphenyl ether			< 10 U	< 10 U	--	--	--	--	--	--	< 10 U	--	< 10 U	--	--	--	--	--	< 10 U	< 10 U	--	--	< 10 U	--	--	--	--
Disulfoton			< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--
Ethyl Methanesulfonate			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Famphur			< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--
Fluoranthene	1000	4100	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	--
Fluorene	1000	4100	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	14	< 0.19 U	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Formaldehyde	**1000**	20000	< 50 U	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	< 50 U	< 50 U	--	--	--	--	--	< 50 U	< 50 U
Hexachloro-1,3-butadiene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Hexachlorobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Hexachlorocyclopentadiene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Hexachloroethane			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Hexachlorophene			< 5000 U	--	--	--	< 5000 U	< 5000 U	< 500 U	--	< 5000 U	--	--	--	< 5000 U	--	< 490 U	--	< 5000 U	< 5000 U	--	--	--	--	< 5000 U	--	--
Hexachloropropene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Indeno(1,2,3-cd)pyrene	10	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Isophorone			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Isosafrole			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Methapyrilene			< 2000 U	--	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 200 U	--	< 2000 U	--	--	< 2000 U	< 2000 U	--	< 200 U	--	< 2000 U	< 2000 U	--	--	--	< 2000 U	< 2000 U	--	--
Methyl methanesulfonate			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Methyl parathion			< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 0.20 U	--	**120**	**140**	--	**65**	< 10 U	< 10 U	**41**	--	--
Nitrobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
N-Nitrosodiethylamine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
N-Nitrosodimethylamine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
N-Nitrosodi-n-butylamine	10	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	--
N-Nitrosodi-n-propylamine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
N-Nitrosodiphenylamine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
N-Nitrosomorpholine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
N-Nitroso-N-methylethylamine	**10**	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	--
N-Nitrosopiperidine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
N-Nitrosopyrrolidine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
o,o,o-Triethyl phosphorothioate			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--
o-Toluidine			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Parathion	200	610	< 10 U	--	--	--	--	--	< 2.0 U	--	< 10 U	--	--	--	--	--	< 2.0 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--
p-Chloroaniline			< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 2.0 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	--
Pentachlorobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Pentachloronitrobenzene			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Pentachlorophenol			< 50 U	--	< 50 U	< 50 U	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 4.9 U	--	< 50 U	< 50 U	--	--	--	< 50 U	< 50 U	--	--
Phenacetin			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Phenanthrene	**10**	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	**28**	< 0.19 U	< 0.20 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Phenol	**4**		< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Phorate			< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--

Well ID			MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F1	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F2	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3	MW-F3
Sample ID	Type 1 RRS	Type 3/4 RRS	MW-F1_10/31/00_NM	MW-F1_11/1/02_NM	MW-F1_1/20/04_NM	MW-F1_1/20/04_DUP	MW-6_6/30/04_NM	MW-6_6/30/04_DUP	MW-F1 (071911)	MW-F1(112613)	MW-F2_10/31/00_NM	MW-F2_1/25/01_NM	MW-F2_11/1/02_NM	MW-F2_1/20/04_NM	MW-7_6/30/04_NM	MW-F2_11/19/08_NM	MW-F2 (071911)	MW-F2(112513)	MW-F3_10/30/00_NM	MW-F3_10/30/00_DUP	MW-F3_1/25/01_NM	MW-F3_7/26/02_NM	MW-F3_11/1/02_NM	MW-F3_1/21/04_NM	MW-27_7/3/04_NM	MW-F3_8/16/06_NM	DUP # 5_8/16/06_DUP
Sample Date			10/31/2000	11/01/2002	01/20/2004	01/20/2004	06/30/2004	06/30/2004	07/19/2011	11/26/2013	10/31/2000	01/25/2001	11/01/2002	01/20/2004	06/30/2004	11/19/2008	07/19/2011	11/25/2013	10/30/2000	10/30/2000	01/25/2001	07/26/2002	11/01/2002	01/21/2004	07/03/2004	08/16/2006	08/16/2006
Sample Type			N	N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	FD
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			< 100 U	--	< 10 U	< 10 U	--	--	--	--	< 100 U	--	--	< 10 U	--	--	--	--	< 100 U	< 100 U	--	--	--	< 10 U	--	--	--
p-Phenylenediamine			< 2000 U	--	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 200 U	--	< 2000 U	--	--	< 2000 U	< 2000 U	--	< 200 U	--	< 2000 U	< 2000 U	--	--	--	< 2000 U	< 2000 U	--	--
Propyzamide			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Pyrene	1000	3100	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 0.20 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	--
Pyridine			< 50 U	--	< 50 U	< 50 U	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 4.9 U	--	< 50 U	< 50 U	--	--	--	< 50 U	< 50 U	--	--
Safrole			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.99 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Sulfotep			< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	--	--	--	--	--	< 0.99 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/L)																											
1,1,1,2-Tetrachloroethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,1,1-Trichloroethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,1,2,2-Tetrachloroethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,1,2-Trichloroethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,1-Dichloroethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,1-Dichloroethene			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,2,3-Trichloropropane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,2-Dibromoethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,2-Dichloropropane	5	7.4	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	70	70	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	2000	12000	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
2-Chlor-1,3-Butadiene			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
2-Chloroethyl vinyl ether			--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	--	< 10 U	--	--	--
2-Methyl-1-propanol	10000	31000	< 40 U	< 200 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	--	< 40 U	--	< 200 U	< 40 U	< 40 U	--	< 40 U	--	< 40 U	< 40 U	--	--	< 200 U	< 40 U	< 40 U	--	--
4-Methyl-2-Pentanone	2000	4200	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Acetone	4000	46000	< 25 U	< 50 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	--	< 25 U	--	< 50 U	< 25 U	< 25 U	--	< 25 U	--	< 25 U	< 25 U	--	--	< 50 U	< 25 U	< 25 U	--	--
Acetonitrile	200	200	< 40 U	--	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	--	< 40 U	--	--	< 40 U	< 40 U	--	< 40 U	--	< 40 U	< 40 U	--	--	--	< 40 U	< 40 U	--	--
Acrolein	700	700	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	22	< 20 U	< 100 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	--	--	< 100 U	< 20 U	< 20 U	--	--
Acrylonitrile			< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	--
Allyl chloride			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Benzene	**5**	8.7	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 5 U	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Bromoform			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Bromomethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 2.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Carbon Tetrachloride			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
CFC-11 (Trichlorofluoromethane)			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
CFC-12 (Dichlorodifluoromethane)			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Chlorobenzene	100	140	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Chlorodibromomethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Chloroethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Chloroform			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Chloromethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Dibromomethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Dichloromethane			< 5 U	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	--	< 5 U	< 5 U	--	< 5.0 U	--	< 5 U	< 5 U	--	--	--	< 5 U	< 5 U	--	--
Ethyl Methacrylate	3000	3000	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Ethylbenzene	700	700	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 5 U	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	< 5 U	< 1 U	< 1 U	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 5.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 5.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
m&p-Xylenes			--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Methyl N-Butyl Ketone (2-Hexanone)			< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	--
Methylacrylonitrile			< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	--
Naphthalene	**20**	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**67**	< 5 U
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			< 5 U	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	--	< 5 U	< 5 U	--	< 5.0 U	--	< 5 U	< 5 U	--	--	--	< 5 U	< 5 U	--	--
Propionitrile			< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	--
Styrene (Monomer)	100	2600	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Tetrachloroethene	5	98	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Toluene	1000	5200	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 5 U	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	< 5 U	< 1 U	< 1 U	--	--
Total Xylenes	**2**	10000	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	< 10 U	< 2 U	< 2 U	--	< 2.0 U	--	< 2 U	< 2 U	--	--	< 10 U	< 2 U	< 2 U	--	--
trans-1,2-Dichloroethene			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
trans-1,3-Dichloropropene			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
trans-1,4-Dichloro-2-butene	2	2	< 2 U	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	--	< 2 U	< 2 U	--	< 2.0 U	--	< 2 U	< 2 U	--	--	--	< 2 U	< 2 U	--	--
Trichloroethene			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--
Vinyl acetate			< 2 U	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	--	< 2 U	< 2 U	--	< 2.0 U	--	< 2 U	< 2 U	--	--	--	< 2 U	< 2 U	--	--
Vinyl chloride			< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1.0 U	--	< 1 U	< 1 U	--	--	--	< 1 U	< 1 U	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F4	MW-F4	MW-F4	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5
Sample ID			MW-F3R_11/19/08_NM	MW-F3R (072011)	MW-F3R(11122013)	MW-F3R(112613)	MW-F3R (052214)	MW-F3R (110314)	MW-F3R (050515)	MW-F3R (110415)	MW-F3R (050316)	MW-F3R (122817)	MW-F4_10/30/00_NM	MW-F4_1/25/01_NM	MW-F4_7/26/02_NM	MW-F5_10/31/00_NM	MW-F5_11/1/02_NM	MW-F5_1/21/04_NM	MW-F5_23_7/2/04_NM	MW-F5_8/16/06_NM	MW-F5_7/30/08_NM	MW-F5_11/19/08_NM	MW-F5 (072011)	MW-F5(11112013)	MW-F5(112613)	MW-F5 (052214)
Sample Date			11/19/2008	07/20/2011	11/12/2013	11/26/2013	05/22/2014	11/03/2014	05/05/2015	11/04/2015	05/03/2016	12/28/2017	10/30/2000	01/25/2001	07/26/2002	10/31/2000	11/01/2002	01/21/2004	07/02/2004	08/16/2006	07/30/2008	11/19/2008	07/20/2011	11/11/2013	11/26/2013	05/22/2014
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																										
Ammonia Nitrogen			--	--	--	--	--	--	--	--	--	--	230	--	--	200	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	--	--	--	--	12000	--	--	12000	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	< 200 U	--	--	< 200 U	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	--	--	--	--	24000	--	--	21000	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	--	--	--	--	< 1000 UJ	--	--	< 1000 UJ	--	--	--	--	--	--	--	--	--	--
Asbestos (MFL)																										
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																										
Cyanide			--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	--	--	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	--	--	--	--	420000	--	--	400000	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	3800	--	--	4500	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/L)																										
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																										
Antimony			--	--	--	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	< 20 U	--	< 6 U	--	--	--	--	--	--	--
Arsenic			--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	--	--	--	--	--
Barium			--	--	--	--	--	--	--	--	--	--	15	--	--	64	75	--	78	--	--	--	--	--	--	--
Beryllium			--	--	--	--	--	--	--	--	--	--	< 4 U	--	--	< 4 U	< 4 U	--	< 4 U	--	--	--	--	--	--	--
Cadmium			--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	--	--	--	--	--
Chromium			--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	--	--	--	--	--
Cobalt			--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	--	--	--	--	--
Copper			--	--	--	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--	--	--	--	--	--
Lead			--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	< 5 U	< 5 U	--	< 5 U	--	--	--	--	--	--	--
Mercury			--	--	--	--	--	--	--	--	--	--	< 0.2 U	--	--	< 0.2 U	--	--	< 0.2 U	--	--	--	--	--	--	--
Nickel			--	--	--	--	--	--	--	--	--	--	< 40 U	--	--	< 40 U	< 40 U	--	< 40 U	--	--	--	--	--	--	--
Selenium			--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	--
Silver			--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	< 2 U	--	--	--	--	--	--	--
Tin			--	--	--	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	--	< 50 U	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	--	--	--	--	--
Zinc			--	--	--	--	--	--	--	--	--	--	< 20 UJ	--	--	< 20 UJ	< 20 U	--	< 20 U	--	--	--	--	--	--	--
Herbicides (µg/L)																										
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/L)																										
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	--	< 0.052 U	< 0.053 U	< 0.050 U	< 0.1 U	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Endrin			--	--	--	--	--	--	--	< 0.052 U	< 0.053 U	< 0.050 U	< 0.1 U	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde			--	--	--	--	--	--	--	< 0.052 U	< 0.053 U	< 0.050 U	< 0.1 U	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	--	--	--	--	--	--	--	--	--
Methoxychlor			--	--	--	--	--	--	--	< 0.052 U	< 0.053 U	< 0.050 U	< 0.5 U	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
o,p-DDT			--	--	--	--	--	--	--	< 0.10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	< 5 U	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																										
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	550	--	--	< 100 UJ	--	< 100 U	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																										
1,1-Biphenyl	**10**	10	--	--	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	--	< 0.97 U	--	< 0.96 U
1,2,4,5-Tetrachlorobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
1,2,4-Trichlorobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
1,2-Dichlorobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
1,3,5-Trinitrobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
1,3-Dichlorobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
1,3-Dinitrobenzene	**10**	10	--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	**13**	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
1,4-Dichlorobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
1,4-Dioxane	70	70	--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
1,4-Naphthoquinone			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
1-Naphthylamine			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
2,2-Oxybis(1-Chloropropane)			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2,3,4,6-Tetrachlorophenol			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2,4,5-Trichlorophenol			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2,4,6-Trichlorophenol			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2,4-Dichlorophenol			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2,4-Dimethylphenol	700	2000	--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
2,4-Dinitrophenol			--	< 9.5 U	< 9.9 U	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	< 50 U	< 50 U	--	--	--	< 9.7 U	< 9.7 U	--	< 9.6 U
2,4-Dinitrotoluene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2,6-Dichlorophenol			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2,6-Dinitrotoluene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2-Acetylaminofluorene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2-Chloronaphthalene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2-Chlorophenol			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2-Methyl-4,6-dinitrophenol			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
2-Methylnaphthalene			--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
2-Methylphenol	10	5100	--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F4	MW-F4	MW-F4	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5
Sample ID			MW-F3R_11/19/08_NM	MW-F3R (072011)	MW-F3R(11122013)	MW-F3R(112613)	MW-F3R (052214)	MW-F3R (110314)	MW-F3R (050515)	MW-F3R (110415)	MW-F3R (050316)	MW-F3R (122817)	MW-F4_10/30/00_NM	MW-F4_1/25/01_NM	MW-F4_7/26/02_NM	MW-F5_10/31/00_NM	MW-F5_11/1/02_NM	MW-F5_1/21/04_NM	MW-F5_23_7/2/04_NM	MW-F5_8/16/06_NM	MW-F5_7/30/08_NM	MW-F5_11/19/08_NM	MW-F5 (072011)	MW-F5(11112013)	MW-F5(112613)	MW-F5 (052214)
Sample Date			11/19/2008	07/20/2011	11/12/2013	11/26/2013	05/22/2014	11/03/2014	05/05/2015	11/04/2015	05/03/2016	12/28/2017	10/30/2000	01/25/2001	07/26/2002	10/31/2000	11/01/2002	01/21/2004	07/02/2004	08/16/2006	07/30/2008	11/19/2008	07/20/2011	11/11/2013	11/26/2013	05/22/2014
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
2-Nitroaniline			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	< 50 U	< 50 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2-Nitrophenol			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
2-Picoline			--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
3,3-Dichlorobenzidine			--	< 19 U	< 20 U	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 19 U	< 19 U	--	< 19 U
3,3-Dimethylbenzidine			--	< 19 U	< 20 U	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 19 U	< 19 U	--	< 19 U
3-Methylchloranthrene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
3-Methylphenol, 4-Methylphenol	10	5100	--	< 1.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.9 U	--	--	--
3-Nitroaniline			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
4-Aminobiphenyl			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
4-Bromophenyl phenyl ether			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
4-Chloro-3-Methylphenol			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
4-Chlorophenyl phenyl ether			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
4-Dimethylaminoazobenzene			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
4-Methylphenol	**10**	10000	--	--	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	--	< 1.9 U	--	< 1.9 U
4-Nitroaniline			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
4-Nitrophenol			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
4-Nitroquinoline-N-Oxide			--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
5-Nitro-o-Toluidine			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
7,12-Dimethylbenz(a)anthracene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Acenaphthene	2000	6100	--	0.43	0.54	--	--	--	--	--	--	--	< 10 U	--	--	15	< 10 U	< 10 U	14	--	13	20 D	4.9	7.5	--	10
Acenaphthylene	10	10	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Acetophenone	4000	10000	--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Aniline	20	500	--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
Anthracene	10	31000	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Aramite			--	< 1.4 U	< 1.5 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 1.5 U	< 1.5 U	--	< 1.4 U
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Benzo(a)pyrene	10	10	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Benzo(b)fluoranthene	10	10	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Benzo(g,h,i)perylene	10	10	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Benzo(k)fluoranthene	10	39	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Benzyl Alcohol			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
beta-Pinene			--	--	--	--	--	--	--	--	--	--	< 100 U	--	--	< 100 U	--	< 10 U	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
bis(2-Chloroethyl)ether			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
bis(2-Ethylhexyl)phthalate	**10**	200	--	2.5	< 2.0 U	< 2.0 U	--	--	--	--	--	--	< 51 UJ	< 10 U	--	< 10 UJ	< 10 U	< 10 U	< 10 U	--	--	--	**22**	< 1.9 U	< 2.0 U	< 1.9 U
Butyl benzyl phthalate	100	15061	--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Diallate			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Dibenzo(a,h)anthracene	10	10	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Dibenzofuran	**10**	10	--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Diethyl phthalate			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Dimethoate			--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
Dimethyl phthalate			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Dimethylphenethylamine			--	< 9.5 U	< 9.9 U	--	--	--	--	--	--	--	< 2000 U	--	--	< 2000 U	--	< 2000 U	< 2000 U	--	--	--	< 9.7 U	< 9.7 U	--	< 9.6 U
Di-n-butyl phthalate			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Di-n-octyl phthalate	700	700	--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Dinoseb			--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
Diphenyl ether			--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	--	--
Disulfoton			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Ethyl Methanesulfonate			--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
Famphur			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Fluoranthene	1000	4100	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Fluorene	1000	4100	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Formaldehyde	**1000**	20000	--	--	--	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	--	--	< 50 U	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Hexachlorobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Hexachlorocyclopentadiene			--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
Hexachloroethane			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Hexachlorophene			--	< 470 U	< 490 U	--	--	--	--	--	--	--	< 5000 U	--	--	< 5000 U	--	--	< 5000 U	--	--	--	< 480 U	< 490 U	--	< 480 U
Hexachloropropene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Indeno(1,2,3-cd)pyrene	10	10	--	< 0.19 U	0.33	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	0.32	--	< 0.19 U
Isophorone			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Isosafrole			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Methapyrilene			--	< 190 U	< 200 U	--	--	--	--	--	--	--	< 2000 U	--	--	< 2000 U	--	< 2000 U	< 2000 U	--	--	--	< 190 U	< 190 U	--	< 190 U
Methyl methanesulfonate			--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
Methyl parathion			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	0.025 J	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Nitrobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
N-Nitrosodiethylamine			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
N-Nitrosodimethylamine			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
N-Nitrosodi-n-butylamine	10	10	--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
N-Nitrosodi-n-propylamine			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
N-Nitrosodiphenylamine			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
N-Nitrosomorpholine			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
N-Nitroso-N-methylethylamine	**10**	10	--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
N-Nitrosopiperidine			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
N-Nitrosopyrrolidine			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
o,o,o-Triethyl phosphorothioate			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
o,o-Diethyl o-pyrazinyl phosphorothioate			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
o-Toluidine			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Parathion	200	610	--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
p-Chloroaniline			--	< 1.9 U	< 2.0 U	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 1.9 U	< 1.9 U	--	< 1.9 U
Pentachlorobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Pentachloronitrobenzene			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Pentachlorophenol			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
Phenacetin			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Phenanthrene	**10**	10	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Phenol	**4**		--	< 0.95 U	1.5	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Phorate			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F4	MW-F4	MW-F4	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5
Sample ID			MW-F3R_11/19/08_NM	MW-F3R (072011)	MW-F3R(11122013)	MW-F3R(112613)	MW-F3R (052214)	MW-F3R (110314)	MW-F3R (050515)	MW-F3R (110415)	MW-F3R (050316)	MW-F3R (122817)	MW-F4_10/30/00_NM	MW-F4_1/25/01_NM	MW-F4_7/26/02_NM	MW-F5_10/31/00_NM	MW-F5_11/1/02_NM	MW-F5_1/21/04_NM	MW-F5_23_7/2/04_NM	MW-F5_8/16/06_NM	MW-F5_7/30/08_NM	MW-F5_11/19/08_NM	MW-F5 (072011)	MW-F5(11112013)	MW-F5(112613)	MW-F5 (052214)
Sample Date			11/19/2008	07/20/2011	11/12/2013	11/26/2013	05/22/2014	11/03/2014	05/05/2015	11/04/2015	05/03/2016	12/28/2017	10/30/2000	01/25/2001	07/26/2002	10/31/2000	11/01/2002	01/21/2004	07/02/2004	08/16/2006	07/30/2008	11/19/2008	07/20/2011	11/11/2013	11/26/2013	05/22/2014
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			--	--	--	--	--	--	--	--	--	--	< 100 U	--	--	< 100 U	--	< 10 U	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	< 190 U	< 200 U	--	--	--	--	--	--	--	< 2000 U	--	--	< 2000 U	--	< 2000 U	< 2000 U	--	--	--	< 190 U	< 190 U	--	< 190 U
Propyzamide			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Pyrene	1000	3100	--	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.19 U	--	< 0.19 U
Pyridine			--	< 4.7 U	< 4.9 U	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 4.9 U	--	< 4.8 U
Safrole			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Sulfotep			--	< 0.95 U	< 0.99 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	--	--	< 0.97 U	< 0.97 U	--	< 0.96 U
Volatile Organic Compounds (µg/L)																										
1,1,1,2-Tetrachloroethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
1,1,1-Trichloroethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
1,1,2,2-Tetrachloroethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
1,1,2-Trichloroethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
1,1-Dichloroethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
1,1-Dichloroethene			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
1,2,3-Trichloropropane			--	< 1.0 U	--	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	--	--	--
1,2,4-Trichlorobenzene			--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
1,2-Dibromo-3-chloropropane			--	< 1.0 U	--	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	--	--	--
1,2-Dibromoethane			--	< 1.0 U	--	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	--	--	--
1,2-Dichlorobenzene			--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
1,2-Dichloroethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
1,2-Dichloropropane	5	7.4	--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
1,3-Dichlorobenzene			--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
1,4-Dichlorobenzene			--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
1,4-Dioxane	70	70	--	< 50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 50 U	--	--	--
2-Butanone (MEK)	2000	12000	--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	< 10 U
2-Chlor-1,3-Butadiene			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
2-Chloroethyl vinyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	10000	31000	--	< 40 U	< 40 U	--	--	--	--	--	--	--	< 40 U	--	--	< 40 U	< 200 U	< 40 U	< 40 U	--	--	--	< 40 U	< 40 U	--	< 40 U
4-Methyl-2-Pentanone	2000	4200	--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	< 10 U
Acetone	4000	46000	--	< 25 U	< 25 U	--	--	--	--	--	--	--	< 25 U	--	--	< 25 U	< 50 U	< 25 U	< 25 U	--	--	--	< 25 U	< 25 U	--	< 25 U
Acetonitrile	200	200	--	< 40 U	< 40 U	--	--	--	--	--	--	--	< 40 U	--	--	< 40 U	--	< 40 U	< 40 U	--	--	--	< 40 U	< 40 U	--	< 40 U
Acrolein	700	700	--	< 20 U	< 20 U	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	< 100 U	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	< 20 U
Acrylonitrile			--	< 20 U	< 20 U	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	< 20 U
Allyl chloride			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Benzene	**5**	8.7	--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Bromodichloromethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Bromoform			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Bromomethane			--	< 1.0 U	< 5.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 5.0 U	--	< 5.0 U
Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	--	< 2.0 U	< 2.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 2.0 U	< 2.0 U	--	< 2.0 U
Carbon Tetrachloride			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
CFC-11 (Trichlorofluoromethane)			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
CFC-12 (Dichlorodifluoromethane)			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Chlorobenzene	100	140	--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Chlorodibromomethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Chloroethane			--	< 1.0 U	< 5.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 5.0 U	--	< 5.0 U
Chloroform			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Chloromethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Dibromomethane			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Dichloromethane			--	< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	< 5 U	--	--	< 5 U	--	< 5 U	< 5 U	--	--	--	< 5.0 U	< 5.0 U	--	< 5.0 U
Ethyl Methacrylate	3000	3000	--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Ethylbenzene	700	700	--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	< 5 U	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 5.0 U	< 5.0 U	--	< 5.0 U
m&p-Xylenes			--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2.0 U	--	--	--
Methyl methacrylate			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Methyl N-Butyl Ketone (2-Hexanone)			--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	--	< 10 U
Methylacrylonitrile			--	< 20 U	< 20 U	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	< 20 U
Naphthalene	**20**	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	--	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
Pentachloroethane			--	< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	< 5 U	--	--	< 5 U	--	< 5 U	< 5 U	--	--	--	< 5.0 U	< 5.0 U	--	< 5.0 U
Propionitrile			--	< 20 U	< 20 U	--	--	--	--	--	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	--	< 20 U
Styrene (Monomer)	100	2600	--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Tetrachloroethene	5	98	--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Toluene	1000	5200	--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	< 5 U	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Total Xylenes	**2**	10000	--	< 2.0 U	< 2.0 U	--	--	--	--	--	--	--	< 2 U	--	--	< 2 U	< 10 U	< 2 U	< 2 U	--	--	--	< 2.0 U	< 2.0 U	--	< 2.0 U
trans-1,2-Dichloroethene			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
trans-1,3-Dichloropropene			--	< 1.0 U	--	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	--	--	--
trans-1,4-Dichloro-2-butene	2	2	--	< 2.0 U	< 2.0 U	--	--	--	--	--	--	--	< 2 U	--	--	< 2 U	--	< 2 U	< 2 U	--	--	--	< 2.0 U	< 2.0 U	--	< 2.0 U
Trichloroethene			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U
Vinyl acetate			--	< 2.0 U	< 2.0 U	--	--	--	--	--	--	--	< 2 U	--	--	< 2 U	--	< 2 U	< 2 U	--	--	--	< 2.0 U	< 2.0 U	--	< 2.0 U
Vinyl chloride			--	< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F6	MW-F6	MW-F6	MW-F6	MW-F6	MW-F6	MW-F6	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7
Sample ID			MW-F5 (110314)	MW-F5 (050515)	MW-F5 (110415)	MW-F5 (050316)	DUP-01 (050316)	MW-F5 (122717)	MW-F6_10/28/00_NM	MW-F6_1/25/01_NM	MW-F6_11/1/02_NM	MW-F6_1/21/04_NM	MW-24_7/2/04_NM	MW-F6 (072011)	MW-F6 (112713)	MW-F7_10/30/00_NM	MW-F7_1/25/01_NM	MW-F7_11/1/02_NM	MW-F7_12/19/02_NM	MW-F7_1/20/04_NM	MW-21_7/1/04_NM	MW-F7_8/16/06_NM	MW-F7_7/30/08_NM	MW-F7_11/19/08_NM	MW-F7 (072211)	MW-F7(11122013)	MW-F7 (052214)
Sample Date			11/03/2014	05/05/2015	11/04/2015	05/03/2016	05/03/2016	12/27/2017	10/28/2000	01/25/2001	11/01/2002	01/21/2004	07/02/2004	07/20/2011	11/27/2013	10/30/2000	01/25/2001	11/01/2002	12/19/2002	01/20/2004	07/01/2004	08/16/2006	07/30/2008	11/19/2008	07/22/2011	11/12/2013	05/22/2014
Sample Type			N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																											
Ammonia Nitrogen			--	--	--	--	--	--	1700	--	--	--	--	--	--	< 0.03 U	--	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	9300	--	--	--	--	--	--	13000	--	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	560	--	--	--	--	--	--	< 200 U	--	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	3800	--	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	< 1.3 U	--	--	--	--	--	--	39000	--	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	--	--	--	--	--	--
Asbestos (MFL)																											
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																											
Cyanide			--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	330000	--	--	--	--	--	--	130000	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	5300	--	--	--	--	--	--	< 1 U	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/L)																											
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																											
Antimony			--	--	--	--	--	--	< 20 U	--	< 20 U	--	< 6 U	--	--	< 20 U	--	< 20 U	< 20 U	--	< 6 U	--	--	--	--	--	--
Arsenic			--	--	--	--	--	--	< 10 U	--	< 10 U	--	< 10 U	--	--	< 10 U	--	90	< 10 U	--	< 10 U	--	--	--	--	--	--
Barium			--	--	--	--	--	--	55	--	48	--	42	--	--	60	--	160	69	--	68	--	--	--	--	--	--
Beryllium			--	--	--	--	--	--	< 4 U	--	< 4 U	--	< 4 U	--	--	< 4 U	--	11	< 4 U	--	< 4 U	--	--	--	--	--	--
Cadmium			--	--	--	--	--	--	< 5 U	--	--	--	< 5 U	--	--	< 5 U	--	--	--	--	< 5 U	--	--	--	--	--	--
Chromium			--	--	--	--	--	--	< 10 U	--	< 10 U	--	< 10 U	--	--	< 10 U	--	140	< 10 U	--	< 10 U	--	--	--	--	--	--
Cobalt			--	--	--	--	--	--	< 10 U	--	< 10 U	--	< 10 U	--	--	< 10 U	--	63	< 10 U	--	< 10 U	--	--	--	--	--	--
Copper			--	--	--	--	--	--	< 20 U	--	< 20 U	--	< 20 U	--	--	< 20 U	--	33	< 20 U	--	< 20 U	--	--	--	--	--	--
Lead			--	--	--	--	--	--	< 5 U	--	< 5 U	--	< 5 U	--	--	< 5 U	--	64	< 5 U	--	< 5 U	--	--	--	--	--	--
Mercury			--	--	--	--	--	--	< 0.2 U	--	--	--	< 0.2 U	--	--	< 0.2 U	--	--	--	--	< 0.2 U	--	--	--	--	--	--
Nickel			--	--	--	--	--	--	< 40 U	--	< 40 U	--	< 40 U	--	--	< 40 U	--	97	< 40 U	--	< 40 U	--	--	--	--	--	--
Selenium			--	--	--	--	--	--	< 10 U	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	< 10 U	--	--	--	--	--	--
Silver			--	--	--	--	--	--	< 10 U	--	--	--	< 10 U	--	--	< 10 U	--	--	--	--	< 10 U	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	< 10 U	--	--	--	< 2 U	--	--	< 10 U	--	--	--	--	< 2 U	--	--	--	--	--	--
Tin			--	--	--	--	--	--	< 50 U	--	--	--	< 50 U	--	--	< 50 U	--	--	--	--	< 50 U	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	< 10 U	--	< 10 U	--	< 10 U	--	--	< 10 U	--	160	< 10 U	--	< 10 U	--	--	--	--	--	--
Zinc			--	--	--	--	--	--	< 20 UJ	--	< 20 U	--	< 20 U	--	--	< 26 U	--	290	< 20 U	--	< 20 U	--	--	--	--	--	--
Herbicides (µg/L)																											
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/L)																											
4,4-DDD (Rhothane)			--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--	--
Endrin			--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde			--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	< 1 U	--	--	--	--	--	--	< 1 U	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor			--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--	--
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	< 5 U	--	--	--	--	--	--	< 5 U	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																											
Diesel Range Organics			--	--	--	--	--	--	< 100 UJ	--	--	< 100 U	--	--	--	180	--	--	--	< 100 U	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																											
1,1-Biphenyl	**10**	10	< 0.99 U	< 0.99 U	< 0.99 U	< 1.2 U	--	< 1.1 U	< 10 U	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U
1,2,4,5-Tetrachlorobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
1,2,4-Trichlorobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
1,2-Dichlorobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
1,3,5-Trinitrobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
1,3-Dinitrobenzene	**10**	10	< 0.99 U	< 0.99 U	< 0.99 U	< 1.2 U	--	< 1.1 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
1,4-Dichlorobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
1,4-Dioxane	70	70	< 2.0 U	< 2.0 U	< 2.0 U	< 2.4 U	--	< 2.1 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
1,4-Naphthoquinone			< 9.9 U	< 9.9 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
1-Naphthylamine			< 5.0 U	< 5.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
2,2-Oxybis(1-Chloropropane)			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2,3,4,6-Tetrachlorophenol			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2,4,5-Trichlorophenol			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2,4,6-Trichlorophenol			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2,4-Dichlorophenol			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2,4-Dimethylphenol	700	2000	< 2.0 U	< 2.0 U	< 2.0 U	< 2.4 U	--	< 2.1 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
2,4-Dinitrophenol			< 9.9 U	< 9.9 U	--	--	--	--	< 50 U	--	--	< 50 U	< 50 U	< 10 U	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	< 9.5 U	< 10 U	< 10 U
2,4-Dinitrotoluene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2,6-Dichlorophenol			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2,6-Dinitrotoluene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2-Acetylaminofluorene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2-Chloronaphthalene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2-Chlorophenol			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2-Methyl-4,6-dinitrophenol			< 5.0 U	< 5.0 U	--	--	--	--	< 50 U	--	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
2-Methylnaphthalene			< 0.20 U	< 0.20 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
2-Methylphenol	10	5100	< 2.0 U	< 2.0 U	< 2.0 U	< 2.4 U	--	< 2.1 U	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F6	MW-F6	MW-F6	MW-F6	MW-F6	MW-F6	MW-F6	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7
Sample ID			MW-F5 (110314)	MW-F5 (050515)	MW-F5 (110415)	MW-F5 (050316)	DUP-01 (050316)	MW-F5 (122717)	MW-F6_10/28/00_NM	MW-F6_1/25/01_NM	MW-F6_11/1/02_NM	MW-F6_1/21/04_NM	MW-24_7/2/04_NM	MW-F6 (072011)	MW-F6 (112713)	MW-F7_10/30/00_NM	MW-F7_1/25/01_NM	MW-F7_11/1/02_NM	MW-F7_12/19/02_NM	MW-F7_1/20/04_NM	MW-21_7/1/04_NM	MW-F7_8/16/06_NM	MW-F7_7/30/08_NM	MW-F7_11/19/08_NM	MW-F7 (072211)	MW-F7(11122013)	MW-F7 (052214)
Sample Date			11/03/2014	05/05/2015	11/04/2015	05/03/2016	05/03/2016	12/27/2017	10/28/2000	01/25/2001	11/01/2002	01/21/2004	07/02/2004	07/20/2011	11/27/2013	10/30/2000	01/25/2001	11/01/2002	12/19/2002	01/20/2004	07/01/2004	08/16/2006	07/30/2008	11/19/2008	07/22/2011	11/12/2013	05/22/2014
Sample Type			N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			< 5.0 U	< 5.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
2-Nitroaniline			< 0.99 U	< 0.99 U	--	--	--	--	< 50 U	--	--	< 50 U	< 50 U	< 1.0 U	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2-Nitrophenol			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
2-Picoline			< 2.0 U	< 2.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
3,3-Dichlorobenzidine			< 20 U	< 20 U	--	--	--	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	--	< 19 U	< 20 U	< 20 U
3,3-Dimethylbenzidine			< 20 U	< 20 U	--	--	--	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	--	< 19 U	< 20 U	< 20 U
3-Methylchloranthrene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	--	--	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	< 1.9 U	--	--
3-Nitroaniline			< 5.0 U	< 5.0 U	--	--	--	--	< 50 U	--	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
4-Aminobiphenyl			< 5.0 U	< 5.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
4-Bromophenyl phenyl ether			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
4-Chloro-3-Methylphenol			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
4-Chlorophenyl phenyl ether			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
4-Dimethylaminoazobenzene			< 5.0 U	< 5.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
4-Methylphenol	**10**	10000	< 2.0 U	< 2.0 U	< 2.0 U	< 2.4 U	--	< 2.1 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	--	< 2.0 U	< 2.0 U
4-Nitroaniline			< 5.0 U	< 5.0 U	--	--	--	--	< 50 U	--	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
4-Nitrophenol			< 8.0 U	< 7.9 U	--	--	--	--	< 50 U	--	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
4-Nitroquinoline-N-Oxide			< 2.0 U	< 2.0 U	--	--	--	--	< 20 U	--	--	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
5-Nitro-o-Toluidine			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
7,12-Dimethylbenz(a)anthracene			< 2.0 U	< 2.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Acenaphthene	2000	6100	12	4.9	16	9.6	--	11	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Acenaphthylene	10	10	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Acetophenone	4000	10000	< 0.99 U	< 0.99 U	< 0.99 U	< 1.2 U	--	< 1.1 U	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Aniline	20	500	< 2.0 U	< 2.0 U	< 2.0 U	< 2.4 U	--	< 2.1 U	< 20 U	--	--	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
Anthracene	10	31000	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Aramite			< 2.0 U	< 2.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.5 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 1.4 U	< 1.5 U	< 1.5 U
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Benzo(a)pyrene	10	10	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Benzo(b)fluoranthene	10	10	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	< 10 U	--	--	--	--	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Benzo(g,h,i)perylene	10	10	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Benzo(k)fluoranthene	10	39	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Benzyl Alcohol			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
beta-Pinene			--	--	--	--	--	--	< 100 U	--	--	< 10 U	--	--	--	< 100 U	--	--	--	< 10 U	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
bis(2-Chloroethyl)ether			< 0.99 U	< 0.99 U	< 0.99 U	< 1.2 U	--	< 1.1 U	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
bis(2-Ethylhexyl)phthalate	**10**	200	< 5.0 U	< 5.0 U	< 5.0 U	< 6.1 U	--	< 5.3 U	< 13 UJ	< 10 U	< 10 U	< 10 U	< 10 U	**24**	< 2.5 U	**230**	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
Butyl benzyl phthalate	100	15061	< 0.99 U	< 0.99 U	< 0.99 U	< 1.2 U	--	< 1.1 U	10	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	**11**	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Diallate			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Dibenzo(a,h)anthracene	10	10	< 0.20 U	< 0.20 U	< 0.20 U	0.16 J	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Dibenzofuran	**10**	10	< 0.99 U	< 0.99 U	< 0.99 U	< 1.2 U	--	< 1.1 U	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Diethyl phthalate			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Dimethoate			< 2.0 U	< 2.0 U	--	--	--	--	< 10 U	--	--	--	--	< 2.0 U	--	< 10 U	--	--	--	--	--	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
Dimethyl phthalate			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Dimethylphenethylamine			< 9.9 U	< 9.9 U	--	--	--	--	< 2000 U	--	--	< 2000 U	< 2000 U	< 10 U	--	< 2000 U	--	--	--	< 2000 U	< 2000 U	--	--	--	< 9.5 U	< 10 U	< 10 U
Di-n-butyl phthalate			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Di-n-octyl phthalate	700	700	< 0.99 U	< 0.99 U	< 0.99 U	< 1.2 U	--	< 1.1 U	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Dinoseb			< 2.0 U	< 2.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
Diphenyl ether			--	0.24 J	--	--	--	--	< 10 U	--	< 10 U	--	--	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--	--
Disulfoton			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	--	--	< 1.0 U	--	< 10 U	--	--	--	--	--	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Ethyl Methanesulfonate			< 2.0 U	< 2.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
Famphur			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	--	--	< 1.0 U	--	< 10 U	--	--	--	--	--	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Fluoranthene	1000	4100	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	11	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Fluorene	1000	4100	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Formaldehyde	**1000**	20000	--	--	--	< 50 U	--	--	< 50 U	--	--	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--
Hexachloro-1,3-butadiene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Hexachlorobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Hexachlorocyclopentadiene			< 2.0 U	< 2.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
Hexachloroethane			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Hexachlorophene			< 500 U	< 500 U	--	--	--	--	< 5000 U	--	--	--	< 5000 U	< 500 U	--	< 5000 U	--	--	--	--	< 5000 U	--	--	--	< 480 U	< 500 U	< 500 U
Hexachloropropene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Indeno(1,2,3-cd)pyrene	10	10	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Isophorone			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Isosafrole			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Methapyrilene			< 200 U	< 200 U	--	--	--	--	< 2000 U	--	--	< 2000 U	< 2000 U	< 200 U	--	< 2000 U	--	--	--	< 2000 U	< 2000 U	--	--	--	< 190 U	< 200 U	< 200 U
Methyl methanesulfonate			< 2.0 U	< 2.0 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
Methyl parathion			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	--	--	< 1.0 U	--	< 10 U	--	--	--	--	--	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Methylphenol			--	--	--	< 4.9 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	**73**	< 10 U	< 10 U	< 10 U	--	< 0.19 U	< 0.19 U	< 0.19 U	< 0.20 U	< 0.20 U
Nitrobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
N-Nitrosodiethylamine			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
N-Nitrosodimethylamine			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
N-Nitrosodi-n-butylamine	10	10	< 0.99 U	< 0.99 U	< 0.99 U	< 1.2 U	--	< 1.1 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
N-Nitrosodi-n-propylamine			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
N-Nitrosodiphenylamine			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
N-Nitrosomorpholine			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
N-Nitroso-N-methylethylamine	**10**	10	< 2.0 U	< 2.0 U	< 2.0 U	< 2.4 U	--	< 2.1 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
N-Nitrosopiperidine			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
N-Nitrosopyrrolidine			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
o,o,o-Triethyl phosphorothioate			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
o,o-Diethyl o-pyrazinyl phosphorothioate			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	--	--	< 1.0 U	--	< 10 U	--	--	--	--	--	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
o-Toluidine			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Parathion	200	610	< 2.0 U	< 2.0 U	< 2.0 U	< 2.4 U	--	< 2.1 U	< 10 U	--	--	--	--	< 2.0 U	--	< 10 U	--	--	--	--	--	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
p-Chloroaniline			< 4.0 U	< 4.0 U	--	--	--	--	< 20 U	--	--	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	--	< 1.9 U	< 2.0 U	< 2.0 U
Pentachlorobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Pentachloronitrobenzene			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Pentachlorophenol			< 5.0 U	< 5.0 U	--	--	--	--	< 50 U	--	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
Phenacetin			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Phenanthrene	**10**	10	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	< 10 U	--	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Phenol	**4**		< 0.99 U	< 0.99 U	< 0.99 U	< 1.2 U	--	< 1.1 U	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Phorate			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	--	--	< 1.0 U	--	< 10 U	--	--	--	--	--	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F5	MW-F6	MW-F6	MW-F6	MW-F6	MW-F6	MW-F6	MW-F6	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7
Sample ID			MW-F5 (110314)	MW-F5 (050515)	MW-F5 (110415)	MW-F5 (050316)	DUP-01 (050316)	MW-F5 (122717)	MW-F6_10/28/00_NM	MW-F6_1/25/01_NM	MW-F6_11/1/02_NM	MW-F6_1/21/04_NM	MW-24_7/2/04_NM	MW-F6 (072011)	MW-F6 (112713)	MW-F7_10/30/00_NM	MW-F7_1/25/01_NM	MW-F7_11/1/02_NM	MW-F7_12/19/02_NM	MW-F7_1/20/04_NM	MW-21_7/1/04_NM	MW-F7_8/16/06_NM	MW-F7_7/30/08_NM	MW-F7_11/19/08_NM	MW-F7 (072211)	MW-F7(11122013)	MW-F7 (052214)
Sample Date			11/03/2014	05/05/2015	11/04/2015	05/03/2016	05/03/2016	12/27/2017	10/28/2000	01/25/2001	11/01/2002	01/21/2004	07/02/2004	07/20/2011	11/27/2013	10/30/2000	01/25/2001	11/01/2002	12/19/2002	01/20/2004	07/01/2004	08/16/2006	07/30/2008	11/19/2008	07/22/2011	11/12/2013	05/22/2014
Sample Type			N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			--	--	--	--	--	--	< 100 U	--	--	< 10 U	--	--	--	< 100 U	--	--	--	< 10 U	--	--	--	--	--	--	--
p-Phenylenediamine			< 200 U	< 200 U	--	--	--	--	< 2000 U	--	--	< 2000 U	< 2000 U	< 200 U	--	< 2000 U	--	--	--	< 2000 U	< 2000 U	--	--	--	< 190 U	< 200 U	< 200 U
Propyzamide			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Pyrene	1000	3100	< 0.20 U	< 0.20 U	< 0.20 U	< 0.24 U	--	< 0.21 U	16	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 0.19 U	< 0.20 U	< 0.20 U
Pyridine			< 5.0 U	< 5.0 U	--	--	--	--	< 50 U	--	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	< 4.8 U	< 5.0 U	< 5.0 U
Safrole			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Sulfotep			< 0.99 U	< 0.99 U	--	--	--	--	< 10 U	--	--	--	--	< 1.0 U	--	< 10 U	--	--	--	--	--	--	--	--	< 0.95 U	< 1.0 U	< 1.0 U
Volatile Organic Compounds (µg/L)																											
1,1,1,2-Tetrachloroethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
1,1,1-Trichloroethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2,2-Tetrachloroethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
1,1,2-Trichloroethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
1,1-Dichloroethene			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
1,2,3-Trichloropropane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	--	--
1,2,4-Trichlorobenzene			< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--
1,2-Dibromo-3-chloropropane			< 5.0 U	< 5.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	--	--
1,2-Dibromoethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	--	--
1,2-Dichlorobenzene			< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--
1,2-Dichloroethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
1,2-Dichloropropane	5	7.4	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
1,3-Dichlorobenzene			< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--
1,4-Dichlorobenzene			< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--
1,4-Dioxane	70	70	< 100 U	< 100 U	--	--	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--	< 50 U	--	--
2-Butanone (MEK)	2000	12000	< 10 U	< 10 U	< 10 U	< 250 U	< 50 U	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U
2-Chlor-1,3-Butadiene			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
2-Chloroethyl vinyl ether			--	--	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--
2-Methyl-1-propanol	10000	31000	< 50 U	< 50 U	< 50 U	< 250 U	< 50 U	< 50 U	< 40 U	--	< 200 U	< 40 U	< 40 U	< 40 U	--	< 40 U	--	< 200 U	< 200 U	< 40 U	< 40 U	--	--	--	< 40 U	< 40 U	< 40 U
4-Methyl-2-Pentanone	2000	4200	< 10 U	< 10 U	< 10 U	< 50 U	< 10 U	< 10 U	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U
Acetone	4000	46000	< 10 U	< 10 U	< 10 U	25 J	< 25 U	< 10 U	< 25 U	--	< 50 U	< 25 U	< 25 U	< 25 U	--	< 25 U	--	< 50 U	< 50 U	< 25 U	< 25 U	--	--	--	< 25 U	< 25 U	< 25 U
Acetonitrile	200	200	< 40 U	< 40 U	< 40 U	< 100 U	< 20 U	< 40 U	< 40 U	--	--	< 40 U	< 40 U	< 40 U	--	< 40 U	--	--	--	< 40 U	< 40 U	--	--	--	< 40 U	< 40 U	< 40 U
Acrolein	700	700	< 20 U	< 20 U	< 20 U	< 250 U	< 50 U	< 20 U	< 20 U	--	< 100 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 100 U	< 100 U	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U
Acrylonitrile			< 20 U	< 20 U	--	--	--	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U
Allyl chloride			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Benzene	**5**	8.7	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	--	**6.2**	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Bromodichloromethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Bromoform			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Bromomethane			< 5.0 U	< 5.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 5.0 U	< 5.0 U
Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	< 2.0 U	< 2.0 U	< 2.0 U	< 5.0 U	< 1.0 U	< 2.0 U	< 1 U	--	--	< 1 U	< 1 U	< 2.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U
Carbon Tetrachloride			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
CFC-11 (Trichlorofluoromethane)			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
CFC-12 (Dichlorodifluoromethane)			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Chlorobenzene	100	140	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	2.4	2.9	7.1	4	4.6	< 1.0 U	< 1.0 U	< 1.0 U
Chlorodibromomethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Chloroethane			< 5.0 U	< 5.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 5.0 U	< 5.0 U
Chloroform			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Chloromethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Dibromomethane			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Dichloromethane			< 5.0 U	< 5.0 U	--	--	--	--	< 5 U	--	--	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	--	--	< 5 U	< 5 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U
Ethyl Methacrylate	3000	3000	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	< 10 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Ethylbenzene	700	700	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 5 U	< 5 U	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Hexachloro-1,3-butadiene			< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			< 10 U	< 10 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 5.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U
m&p-Xylenes			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			< 1.0 U	< 2.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Methyl N-Butyl Ketone (2-Hexanone)			< 10 U	< 10 U	--	--	--	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U
Methylacrylonitrile			< 20 U	< 20 U	--	--	--	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U
Naphthalene	**20**	20	< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	--	--	--
o,p-Xylene			--	--	< 1.0 U	< 10 U	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			< 5.0 U	< 5.0 U	--	--	--	--	< 5 U	--	--	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	--	--	< 5 U	< 5 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U
Propionitrile			< 20 U	< 20 U	--	--	--	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U
Styrene (Monomer)	100	2600	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Tetrachloroethene	5	98	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	2.9	2.6	3.3
Toluene	1000	5200	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1.0 U	< 1 U	--	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 5 U	< 5 U	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Total Xylenes	**2**	10000	< 2.0 U	< 1.0 U	< 1.0 U	< 15 U	< 3.0 U	< 1.0 U	< 2 U	--	< 10 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	< 10 U	< 10 U	< 2 U	< 2 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U
trans-1,2-Dichloroethene			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
trans-1,3-Dichloropropene			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	--	--
trans-1,4-Dichloro-2-butene	2	2	< 2.0 U	< 2.0 U	< 2.0 U	< 25 U	< 5.0 U	< 2.0 U	< 2 U	--	--	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	--	--	< 2 U	< 2 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U
Trichloroethene			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Vinyl acetate			< 2.0 U	< 2.0 U	--	--	--	--	< 2 U	--	--	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	--	--	< 2 U	< 2 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U
Vinyl chloride			< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	--	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F9	MW-F9	MW-F9	MW-F9	MW-F9	MW-F9	MW-F10	MW-F10	MW-F10	MW-F10	MW-F11
Sample ID			MW-F7 (110314)	MW-F7(05042015)	MW-F7 (110415)	MW-F7 (050316)	MW-F7 (122717)	MW-F8_10/27/00_NM	MW-F8_1/25/01_NM	MW-F8_11/1/02_NM	MW-F8_12/19/02_NM	MW-F8_1/22/04_NM	MW-F8 (072111)	MW-F8(112613)	MW-F8 (110414)	MW-F9_10/27/00_NM	MW-F9_11/1/02_NM	MW-F9_1/22/04_NM	MW-F9_20_7/1/04_NM	MW-F9 (072111)	MW-F9(112613)	MW-F10_10/30/00_NM	MW-F10_11/1/02_NM	MW-F10_1/22/04_NM	MW-19_7/1/04_NM	MW-F11_10/28/00_NM
Sample Date			11/03/2014	05/04/2015	11/04/2015	05/03/2016	12/27/2017	10/27/2000	01/25/2001	11/01/2002	12/19/2002	01/22/2004	07/21/2011	11/26/2013	11/04/2014	10/27/2000	11/01/2002	01/22/2004	07/01/2004	07/21/2011	11/26/2013	10/30/2000	11/01/2002	01/22/2004	07/01/2004	10/28/2000
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																										
Ammonia Nitrogen			--	--	--	--	--	690	--	--	--	--	--	--	--	< 0.03 U	--	--	--	--	--	110	--	--	--	40
Chloride			--	--	--	--	--	48000	--	--	--	--	--	--	--	20000	--	--	--	--	--	12000	--	--	--	39000
Fluoride (F-, Anion)			--	--	--	--	--	260	--	--	--	--	--	--	--	< 200 U	--	--	--	--	--	380	--	--	--	260
Nitrate/Nitrite			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Sulfate			--	--	--	--	--	19000	--	--	--	--	--	--	--	31000	--	--	--	--	--	130000	--	--	--	23000
Sulfide			--	--	--	--	--	< 1000 UJ	--	--	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	< 1000 UJ	--	--	--	< 1000 UJ
Asbestos (MFL)																										
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	< 0.2 U	--	< 1.6 U	--	--	--	--	< 0.2 U	--	--	--	--	--	--
General Chemistry (µg/L)																										
Cyanide			--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	< 10 U
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	1000000	--	--	--	--	--	--	--	130000	--	--	--	--	--	810000	--	--	--	520000
Total Organic Carbon			--	--	--	--	--	130000	--	--	--	--	--	--	--	< 1 U	--	--	--	--	--	31000	--	--	--	54000
Dioxins and Furans (µg/L)																										
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																										
Antimony			--	--	--	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	--	< 20 U	< 20 U	--	< 6 U	--	--	< 20 U	< 20 U	--	< 6 U	< 20 U
Arsenic			--	--	--	--	--	< 10 U	--	20	57	--	--	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	< 10 U
Barium			--	--	--	--	--	44	--	36	46	--	--	--	--	42	67	--	44	--	--	49	44	--	42	71
Beryllium			--	--	--	--	--	< 4 U	--	< 4 U	< 4 U	--	--	--	--	< 4 U	< 4 U	--	< 4 U	--	--	< 4 U	< 4 U	--	< 4 U	< 4 U
Cadmium			--	--	--	--	--	< 5 U	--	--	--	--	--	--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	< 5 U
Chromium			--	--	--	--	--	12	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	< 10 U
Cobalt			--	--	--	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	< 10 U
Copper			--	--	--	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	--	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	< 20 U
Lead			--	--	--	--	--	< 5 U	--	< 5 U	< 5 U	--	--	--	--	< 5 U	< 5 U	--	< 5 U	--	--	< 5 U	< 5 U	--	< 5 U	< 5 U
Mercury			--	--	--	--	--	< 0.2 U	--	--	--	--	--	--	--	< 0.2 U	--	--	< 0.2 U	--	--	< 0.2 U	--	--	< 0.2 U	< 0.2 U
Nickel			--	--	--	--	--	< 40 U	--	< 40 U	< 40 U	--	--	--	--	< 40 U	< 40 U	--	< 40 U	--	--	< 40 U	< 40 U	--	< 40 U	< 40 U
Selenium			--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	< 10 U
Silver			--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	< 10 U
Thallium			--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	< 2 U	--	--	< 10 U	--	--	< 2 U	< 10 U
Tin			--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	< 50 U	--	--	< 50 U	--	--	< 50 U	--	--	< 50 U	< 50 U
Vanadium			--	--	--	--	--	23	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	< 10 U
Zinc			--	--	--	--	--	36	--	< 20 U	< 20 U	--	--	--	--	< 20 UJ	< 20 U	--	< 20 U	--	--	< 20 UJ	< 20 U	--	< 20 U	53
Herbicides (µg/L)																										
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	< 0.5 U
2,4,5-TP (Silvex)			--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	< 0.5 U
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	< 0.5 U
Pesticides (µg/L)																										
4,4-DDD (Rhothane)			--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	< 0.1 U
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	< 0.1 U
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	< 0.1 U
Aldrin			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Alpha-BHC			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Beta-BHC			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Chlordane			--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	< 0.5 U
Chlorobenzilate			--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	< 0.5 U
Delta-BHC			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Dieldrin			--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	< 0.1 U
Endosulfan I			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Endosulfan II			--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	< 0.1 U
Endosulfan sulfate			--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	< 0.1 U
Endrin			--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	< 0.1 U
Endrin aldehyde			--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 UJ	--	--	--	< 0.1 UJ
Heptachlor			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Heptachlor epoxide			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Isodrin			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Kepone			--	--	--	--	--	< 1 U	--	--	--	--	--	--	--	< 1 U	--	--	--	--	--	< 1 U	--	--	--	< 1 U
Methoxychlor			--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	< 0.5 U
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	< 0.05 U
Toxaphene			--	--	--	--	--	< 5 U	--	--	--	--	--	--	--	< 5 U	--	--	--	--	--	< 5 U	--	--	--	< 5 U
Total Petroleum Hydrocarbon (µg/L)																										
Diesel Range Organics			--	--	--	--	--	4900 J	--	--	--	14000 D	--	--	--	< 100 UJ	--	< 100 U	--	--	--	< 100 UJ	--	480	--	940
Gasoline Range Organics			--	--	--	--	--	60	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	< 50 U
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																										
1,1-Biphenyl	**10**	10	< 1.2 U	< 0.96 U	< 1.0 U	< 1.2 U	< 1.0 U	< 10 U	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	< 10 U
1,2,4,5-Tetrachlorobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
1,2,4-Trichlorobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
1,2-Dichlorobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
1,3,5-Trinitrobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
1,3-Dichlorobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
1,3-Dinitrobenzene	**10**	10	< 1.2 U	< 0.96 U	< 1.0 U	< 1.2 U	< 1.0 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.98 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
1,4-Dichlorobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
1,4-Dioxane	70	70	< 2.5 U	< 1.9 U	< 2.1 U	< 2.3 U	< 2.0 U	< 10 U	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
1,4-Naphthoquinone			< 12 U	< 9.6 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
1-Naphthylamine			< 6.1 U	< 4.8 U	--	--	--	< 10 U	--	--	--	< 10 U	< 4.9 U	--	--	< 10 U	--	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2,2-Oxybis(1-Chloropropane)			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2,3,4,6-Tetrachlorophenol			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2,4,5-Trichlorophenol			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2,4,6-Trichlorophenol			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2,4-Dichlorophenol			< 1.2 U	0.44 J	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol	700	2000	< 2.5 U	< 1.9 U	< 2.1 U	< 2.3 U	< 2.0 U	< 10 U	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2,4-Dinitrophenol			< 12 U	< 9.6 U	--	--	--	< 50 U	--	--	--	< 50 U	< 9.8 U	--	--	< 50 U	--	< 50 U	< 50 U	< 10 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U
2,4-Dinitrotoluene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2,6-Dichlorophenol			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2,6-Dinitrotoluene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2-Acetylaminofluorene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2-Chloronaphthalene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2-Chlorophenol			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2-Methyl-4,6-dinitrophenol			< 6.1 U	< 4.8 U	--	--	--	< 50 U	--	--	--	< 50 U	< 4.9 U	--	--	< 50 U	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene			< 0.25 U	< 0.19 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2-Methylphenol	10	5100	< 2.5 U	< 1.9 U	< 2.1 U	< 2.3 U	< 2.0 U	< 10 U	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F9	MW-F9	MW-F9	MW-F9	MW-F9	MW-F9	MW-F10	MW-F10	MW-F10	MW-F10	MW-F11
Sample ID			MW-F7 (110314)	MW-F7(05042015)	MW-F7 (110415)	MW-F7 (050316)	MW-F7 (122717)	MW-F8_10/27/00_NM	MW-F8_1/25/01_NM	MW-F8_11/1/02_NM	MW-F8_12/19/02_NM	MW-F8_1/22/04_NM	MW-F8 (072111)	MW-F8(112613)	MW-F8 (110414)	MW-F9_10/27/00_NM	MW-F9_11/1/02_NM	MW-F9_1/22/04_NM	MW-F9_20_7/1/04_NM	MW-F9 (072111)	MW-F9(112613)	MW-F10_10/30/00_NM	MW-F10_11/1/02_NM	MW-F10_1/22/04_NM	MW-19_7/1/04_NM	MW-F11_10/28/00_NM
Sample Date			11/03/2014	05/04/2015	11/04/2015	05/03/2016	12/27/2017	10/27/2000	01/25/2001	11/01/2002	12/19/2002	01/22/2004	07/21/2011	11/26/2013	11/04/2014	10/27/2000	11/01/2002	01/22/2004	07/01/2004	07/21/2011	11/26/2013	10/30/2000	11/01/2002	01/22/2004	07/01/2004	10/28/2000
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			< 6.1 U	< 4.8 U	--	--	--	< 10 U	--	--	--	< 10 U	< 4.9 U	--	--	< 10 U	--	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2-Nitroaniline			< 1.2 U	< 0.96 U	--	--	--	< 50 U	--	--	--	< 50 U	< 0.98 U	--	--	< 50 U	--	< 50 U	< 50 U	< 1.0 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U
2-Nitrophenol			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2-Picoline			< 2.5 U	< 1.9 U	--	--	--	< 10 U	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
3,3-Dichlorobenzidine			< 25 U	< 19 U	--	--	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U
3,3-Dimethylbenzidine			< 25 U	< 19 U	--	--	--	< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U
3-Methylchloranthrene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	--	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--
3-Nitroaniline			< 6.1 U	< 4.8 U	--	--	--	< 50 U	--	--	--	< 50 U	< 4.9 U	--	--	< 50 U	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U
4-Aminobiphenyl			< 6.1 U	< 4.8 U	--	--	--	< 10 U	--	--	--	< 10 U	< 4.9 U	--	--	< 10 U	--	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
4-Bromophenyl phenyl ether			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
4-Chloro-3-Methylphenol			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
4-Chlorophenyl phenyl ether			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
4-Dimethylaminoazobenzene			< 6.1 U	< 4.8 U	--	--	--	< 10 U	--	--	--	< 10 U	< 4.9 U	--	--	< 10 U	--	< 10 U	< 10 U	< 5.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
4-Methylphenol	**10**	10000	< 2.5 U	< 1.9 U	< 2.1 U	< 2.3 U	< 2.0 U	< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	< 10 U
4-Nitroaniline			< 6.1 U	< 4.8 U	--	--	--	< 50 U	--	--	--	< 50 U	< 4.9 U	--	--	< 50 U	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U
4-Nitrophenol			< 9.8 U	< 7.7 U	--	--	--	< 50 U	--	--	--	< 50 U	< 4.9 U	--	--	< 50 U	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U
4-Nitroquinoline-N-Oxide			< 2.5 U	< 1.9 U	--	--	--	< 20 U	--	--	--	< 20 U	< 2.0 U	--	--	< 20 U	--	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U
5-Nitro-o-Toluidine			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
7,12-Dimethylbenz(a)anthracene			< 2.5 U	< 1.9 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Acenaphthene	2000	6100	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Acenaphthylene	10	10	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Acetophenone	4000	10000	< 1.2 U	< 0.96 U	< 1.0 U	< 1.2 U	< 1.0 U	< 10 U	--	--	--	61	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Aniline	20	500	< 2.5 U	< 1.9 U	< 2.1 U	< 2.3 U	< 2.0 U	< 20 U	--	--	--	< 20 U	< 2.0 U	--	--	< 20 U	--	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U
Anthracene	10	31000	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Aramite			< 2.5 U	< 1.9 U	--	--	--	< 10 U	--	--	--	< 10 U	< 1.5 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.5 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Benzo(a)pyrene	10	10	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Benzo(b)fluoranthene	10	10	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	--	< 0.20 U	--	--	< 10 U	--	--	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U
Benzo(g,h,i)perylene	10	10	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Benzo(k)fluoranthene	10	39	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Benzyl Alcohol			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
beta-Pinene			--	--	--	--	--	< 100 U	--	--	--	< 10 U	--	--	--	< 100 U	--	< 10 U	--	--	--	< 100 U	--	< 10 U	--	< 100 U
bis(2-Chloroethoxy)methane			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
bis(2-Chloroethyl)ether			< 1.2 U	< 0.96 U	< 1.0 U	< 1.2 U	< 1.0 U	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
bis(2-Ethylhexyl)phthalate	**10**	200	< 6.1 U	< 4.8 U	< 5.2 U	< 5.8 U	< 5.0 U	< 10 UJ	--	< 10 U	< 10 U	< 10 U	**20**	< 2.0 U	--	< 10 UJ	< 10 U	< 10 U	< 10 U	3.8	< 2.0 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 UJ
Butyl benzyl phthalate	100	15061	< 1.2 U	< 0.96 U	< 1.0 U	< 1.2 U	< 1.0 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.98 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Diallate			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Dibenzo(a,h)anthracene	10	10	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Dibenzofuran	**10**	10	< 1.2 U	< 0.96 U	< 1.0 U	< 1.2 U	< 1.0 U	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Diethyl phthalate			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Dimethoate			< 2.5 U	< 1.9 U	--	--	--	< 10 U	--	--	--	--	< 2.0 U	--	--	< 10 U	--	--	--	< 2.0 U	--	< 10 U	--	--	--	< 10 U
Dimethyl phthalate			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Dimethylphenethylamine			< 12 U	< 9.6 U	--	--	--	< 2000 U	--	--	--	< 2000 U	< 9.8 U	--	--	< 2000 U	--	< 2000 U	< 2000 U	< 10 U	--	< 2000 U	--	< 2000 U	< 2000 U	< 2000 U
Di-n-butyl phthalate			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Di-n-octyl phthalate	700	700	< 1.2 U	< 0.96 U	< 1.0 U	< 1.2 U	< 1.0 U	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Dinoseb			< 2.5 U	< 1.9 U	--	--	--	< 10 U	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Diphenyl ether			--	< 0.96 U	--	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	--	< 10 U
Disulfoton			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	--	< 0.98 U	--	--	< 10 U	--	--	--	< 1.0 U	--	< 10 U	--	--	--	< 10 U
Ethyl Methanesulfonate			< 2.5 U	< 1.9 U	--	--	--	< 10 U	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Famphur			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	--	< 0.98 U	--	--	< 10 U	--	--	--	< 1.0 U	--	< 10 U	--	--	--	< 10 U
Fluoranthene	1000	4100	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Fluorene	1000	4100	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Formaldehyde	**1000**	20000	--	--	--	< 50 U	--	< 50 U	--	--	--	--	< 50 U	--	--	< 50 U	--	--	--	< 50 U	--	< 50 U	--	--	--	< 50 U
Hexachloro-1,3-butadiene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Hexachlorobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Hexachlorocyclopentadiene			< 2.5 U	< 1.9 U	--	--	--	< 10 U	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Hexachloroethane			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Hexachlorophene			< 610 U	< 480 U	--	--	--	< 5000 U	--	--	--	--	< 490 U	--	--	< 5000 U	--	--	< 5000 U	< 500 U	--	< 5000 U	--	--	< 5000 U	< 5000 U
Hexachloropropene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Indeno(1,2,3-cd)pyrene	10	10	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Isophorone			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Isosafrole			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Methapyrilene			< 250 U	< 190 U	--	--	--	< 2000 U	--	--	--	< 2000 U	< 200 U	--	--	< 2000 U	--	< 2000 U	< 2000 U	< 200 U	--	< 2000 U	--	< 2000 U	< 2000 U	< 2000 U
Methyl methanesulfonate			< 2.5 U	< 1.9 U	--	--	--	< 10 U	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Methyl parathion			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	--	< 0.98 U	--	--	< 10 U	--	--	--	< 1.0 U	--	< 10 U	--	--	--	< 10 U
Methylphenol			--	--	--	< 4.6 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Nitrobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
N-Nitrosodiethylamine			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
N-Nitrosodimethylamine			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
N-Nitrosodi-n-butylamine	10	10	< 1.2 U	< 0.96 U	< 1.0 U	< 1.2 U	< 1.0 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.98 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosodi-n-propylamine			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
N-Nitrosodiphenylamine			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
N-Nitrosomorpholine			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
N-Nitroso-N-methylethylamine	**10**	10	< 2.5 U	< 1.9 U	< 2.1 U	< 2.3 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 2.0 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosopiperidine			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
N-Nitrosopyrrolidine			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
o,o,o-Triethyl phosphorothioate			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
o,o-Diethyl o-pyrazinyl phosphorothioate			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	--	< 0.98 U	--	--	< 10 U	--	--	--	< 1.0 U	--	< 10 U	--	--	--	< 10 U
o-Toluidine			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Parathion	200	610	< 2.5 U	< 1.9 U	< 2.1 U	< 2.3 U	< 2.0 U	< 10 U	--	--	--	--	< 2.0 U	--	--	< 10 U	--	--	--	< 2.0 U	--	< 10 U	--	--	--	< 10 U
p-Chloroaniline			< 4.9 U	< 3.8 U	--	--	--	< 20 U	--	--	--	< 20 U	< 2.0 U	--	--	< 20 U	--	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U
Pentachlorobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Pentachloronitrobenzene			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Pentachlorophenol			< 6.1 U	< 4.8 U	--	--	--	< 50 U	--	--	--	< 50 U	< 4.9 U	--	--	< 50 U	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U
Phenacetin			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Phenanthrene	**10**	10	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Phenol	**4**	10	< 1.2 U	< 0.96 U	< 1.0 U	< 1.2 U	< 1.0 U	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Phorate			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	--	< 0.98 U	--	--	< 10 U	--	--	--	< 1.0 U	--	< 10 U	--	--	--	< 10 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F7	MW-F7	MW-F7	MW-F7	MW-F7	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F8	MW-F9	MW-F9	MW-F9	MW-F9	MW-F9	MW-F9	MW-F10	MW-F10	MW-F10	MW-F10	MW-F11
Sample ID			MW-F7 (110314)	MW-F7(05042015)	MW-F7 (110415)	MW-F7 (050316)	MW-F7 (122717)	MW-F8_10/27/00_NM	MW-F8_1/25/01_NM	MW-F8_11/1/02_NM	MW-F8_12/19/02_NM	MW-F8_1/22/04_NM	MW-F8 (072111)	MW-F8(112613)	MW-F8 (110414)	MW-F9_10/27/00_NM	MW-F9_11/1/02_NM	MW-F9_1/22/04_NM	MW-F9_20_7/1/04_NM	MW-F9 (072111)	MW-F9(112613)	MW-F10_10/30/00_NM	MW-F10_11/1/02_NM	MW-F10_1/22/04_NM	MW-F10_19_7/1/04_NM	MW-F11_10/28/00_NM
Sample Date			11/03/2014	05/04/2015	11/04/2015	05/03/2016	12/27/2017	10/27/2000	01/25/2001	11/01/2002	12/19/2002	01/22/2004	07/21/2011	11/26/2013	11/04/2014	10/27/2000	11/01/2002	01/22/2004	07/01/2004	07/21/2011	11/26/2013	10/30/2000	11/01/2002	01/22/2004	07/01/2004	10/28/2000
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			--	--	--	--	--	< 100 U	--	--	--	< 10 U	--	--	--	< 100 U	--	< 10 U	--	--	--	< 100 U	--	< 10 U	--	< 100 U
p-Phenylenediamine			< 250 U	< 190 U	--	--	--	< 2000 U	--	--	--	< 2000 U	< 200 U	--	--	< 2000 U	--	< 2000 U	< 2000 U	< 200 U	--	< 2000 U	--	< 2000 U	< 2000 U	< 2000 U
Propyzamide			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Pyrene	1000	3100	< 0.25 U	< 0.19 U	< 0.21 U	< 0.23 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Pyridine			< 6.1 U	< 4.8 U	--	--	--	< 50 U	--	--	--	< 50 U	< 4.9 U	--	--	< 50 U	--	< 50 U	< 50 U	< 5.0 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U
Safrole			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	< 10 U	< 0.98 U	--	--	< 10 U	--	< 10 U	< 10 U	< 1.0 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Sulfotep			< 1.2 U	< 0.96 U	--	--	--	< 10 U	--	--	--	--	< 0.98 U	--	--	< 10 U	--	--	--	< 1.0 U	--	< 10 U	--	--	--	< 10 U
Volatile Organic Compounds (µg/L)																										
1,1,1,2-Tetrachloroethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,2,4-Trichlorobenzene			< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			< 5.0 U	< 5.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,2-Dibromoethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,2-Dichlorobenzene			< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--
1,2-Dichloroethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	5	7.4	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
1,3-Dichlorobenzene			< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--
1,4-Dichlorobenzene			< 1.0 U	< 1.0 U	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--
1,4-Dioxane	70	70	< 100 U	< 100 U	--	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--
2-Butanone (MEK)	2000	12000	< 10 U	< 10 U	< 10 U	< 250 U	< 10 U	< 10 U	--	--	--	< 50 U	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
2-Chlor-1,3-Butadiene			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
2-Chloroethyl vinyl ether			--	--	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--
2-Methyl-1-propanol	10000	31000	< 50 U	< 50 U	< 50 U	< 250 U	< 50 U	< 40 U	--	< 200 U	< 200 U	< 200 U	< 40 U	--	--	< 40 U	< 200 U	< 40 U	< 40 U	< 40 U	--	< 40 U	< 200 U	< 40 U	< 40 U	< 40 U
4-Methyl-2-Pentanone	2000	4200	< 10 U	< 10 U	< 10 U	< 50 U	< 10 U	< 10 U	--	--	--	< 50 U	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Acetone	4000	46000	< 10 U	< 10 U	< 10 U	< 130 U	< 10 U	< 34 U	53	< 50 U	< 50 U	< 120 U	< 25 U	--	--	< 25 U	< 50 U	< 25 U	< 25 U	< 25 U	--	< 25 U	< 50 U	< 25 U	< 25 U	< 25 U
Acetonitrile	200	200	< 40 U	< 40 U	< 40 U	< 100 U	< 40 U	< 40 U	--	--	--	< 200 U	< 40 U	--	--	< 40 U	--	< 40 U	< 40 U	< 40 U	--	< 40 U	--	< 40 U	< 40 U	< 40 U
Acrolein	700	700	< 20 U	< 20 U	< 20 U	< 250 U	< 20 U	< 20 U	--	< 100 U	< 100 U	< 100 U	< 20 U	--	--	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	--	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U
Acrylonitrile			< 20 U	< 20 U	--	--	--	< 20 U	--	--	--	< 100 U	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U
Allyl chloride			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Benzene	**5**	8.7	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1 U	--	< 5 U	< 5 U	< 5 U	< 1.0 U	--	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Bromoform			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Bromomethane			< 5.0 U	< 5.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	< 2.0 U	< 2.0 U	< 2.0 U	< 5.0 U	< 2.0 U	< 1 U	--	--	--	< 5 U	< 2.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 2.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Carbon Tetrachloride			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
CFC-11 (Trichlorofluoromethane)			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
CFC-12 (Dichlorodifluoromethane)			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Chlorobenzene	100	140	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Chlorodibromomethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Chloroethane			< 5.0 U	< 5.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Chloroform			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Chloromethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Dibromomethane			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Dichloromethane			< 5.0 U	< 5.0 U	--	--	--	< 5 U	--	--	--	< 25 U	< 5.0 U	--	--	< 5 U	--	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	< 5 U	< 5 U	< 5 U
Ethyl Methacrylate	3000	3000	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	< 1.0 U	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Ethylbenzene	700	700	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	3.2	--	< 5 U	< 5 U	< 5 U	< 1.0 U	--	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene			< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			< 10 U	< 10 U	--	--	--	< 1 U	--	--	--	< 5 U	< 5.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 5.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
m&p-Xylenes			--	--	--	--	< 1.0 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--
Methyl methacrylate			< 1.0 U	< 2.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Methyl N-Butyl Ketone (2-Hexanone)			< 10 U	< 10 U	--	--	--	< 10 U	--	--	--	< 50 U	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U
Methylacrylonitrile			< 20 U	< 20 U	--	--	--	< 20 U	--	--	--	< 100 U	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U
Naphthalene	**20**	20	5.3	4.5 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-Xylene			--	--	< 1.0 U	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	< 1.0 U	< 5.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--
Pentachloroethane			< 5.0 U	< 5.0 U	--	--	--	< 5 U	--	--	--	< 25 U	< 5.0 U	--	--	< 5 U	--	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	< 5 U	< 5 U	< 5 U
Propionitrile			< 20 U	< 20 U	--	--	--	< 20 U	--	--	--	< 100 U	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U
Styrene (Monomer)	100	2600	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Tetrachloroethene	5	98	2	2.8	2.9	2.0 J	5	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Toluene	1000	5200	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	5.8	--	< 5 U	< 5 U	< 5 U	< 1.0 U	--	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1 U
Total Xylenes	**2**	10000	< 2.0 U	< 1.0 U	< 1.0 U	< 15 U	< 1.0 U	**22**	--	< 10 U	< 10 U	< 10 U	< 2.0 U	--	--	< 2 U	< 10 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	< 10 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	2	2	< 2.0 U	< 2.0 U	< 2.0 U	< 25 U	< 2.0 U	< 2 U	--	--	--	< 10 U	< 2.0 U	--	--	< 2 U	--	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	< 2 U	< 2 U	< 2 U
Trichloroethene			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U
Vinyl acetate			< 2.0 U	< 2.0 U	--	--	--	< 2 U	--	--	--	< 10 U	< 2.0 U	--	--	< 2 U	--	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	< 2 U	< 2 U	< 2 U
Vinyl chloride			< 1.0 U	< 1.0 U	--	--	--	< 1 U	--	--	--	< 5 U	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1 U

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F11	MW-F11	MW-F11	MW-F11	MW-F11	MW-F11	MW-F11	MW-F12	MW-F12	MW-F12	MW-F12	MW-F12	MW-F12	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13
Sample ID			MW-F11_11/1/02_NM	MW-F11_1/21/04_NM	MW-F11_1/21/04_DUP	MW-30_7/4/04_NM	MW-30_7/4/04_DUP	MW-F11 (071911)	MW-F11(112613)	MW-F12_10/31/00_NM	MW-F12_11/1/02_NM	MW-F12_1/21/04_NM	MW-29_7/3/04_NM	MW-F12 (071911)	MW-F12 (112713)	MW-F13_10/27/00_NM	MW-F13_11/1/02_NM	MW-F13_12/19/02_NM	MW-F13_1/22/04_NM	MW-18_7/1/04_NM	MW-18_7/1/04_DUP	MW-F13_7/6/06_NM	MW-F13 (072111)	MW-F13(112513)	MW-F13-13022017	DUP #2-13022017
Sample Date			11/01/2002	01/21/2004	01/21/2004	07/04/2004	07/04/2004	07/19/2011	11/26/2013	10/31/2000	11/01/2002	01/21/2004	07/03/2004	07/19/2011	11/27/2013	10/27/2000	11/01/2002	12/19/2002	01/22/2004	07/01/2004	07/01/2004	07/06/2006	07/21/2011	11/25/2013	02/13/2017	02/13/2017
Sample Type			N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	FD
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																										
Ammonia Nitrogen			--	--	--	--	--	--	--	30	--	--	--	--	--	120	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	--	20000	--	--	--	--	--	54000	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	--	< 200 U	--	--	--	--	--	220	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	--	4100	--	--	--	--	--	56000	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	--	--	--	--	--
Asbestos (MFL)																										
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																										
Cyanide			--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	--	930000	--	--	--	--	--	340000	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	53000	--	--	--	--	--	8500	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/L)																										
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																										
Antimony			< 20 U	--	--	< 6 U	< 6 U	--	--	< 20 U	< 20 U	--	< 6 U	--	--	< 20 U	< 20 U	< 20 U	--	< 6 U	< 6 U	--	--	--	--	--
Arsenic			< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	16	< 10 U	--	16	15	--	--	--	--	--
Barium			46	--	--	96	97	--	--	120	210	--	300	--	--	100	140	160	--	260	250	--	--	--	--	--
Beryllium			< 4 U	--	--	< 4 U	< 4 U	--	--	< 4 U	< 4 U	--	< 4 U	--	--	< 4 U	< 4 U	< 4 U	--	< 4 U	< 4 U	--	--	--	--	--
Cadmium			--	--	--	< 5 U	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	--	< 5 U	< 5 U	--	--	--	--	--
Chromium			< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	--	--	--	--	--
Cobalt			< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	24	46	37	--	39	40	--	--	--	--	--
Copper			< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	--	--	--	--	--
Lead			< 5 U	--	--	< 5 U	< 5 U	--	--	< 5 U	< 5 U	--	< 5 U	--	--	< 5 U	< 5 U	< 5 U	--	< 5 U	< 5 U	--	--	--	--	--
Mercury			--	--	--	< 0.2 U	< 0.2 U	--	--	< 0.2 U	--	--	< 0.2 U	--	--	< 0.2 U	--	--	--	< 0.2 U	< 0.2 U	--	--	--	--	--
Nickel			< 40 U	--	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	< 40 U	--	--	< 40 U	60	< 40 U	--	< 40 U	< 40 U	--	--	--	--	--
Selenium			--	--	--	< 10 U	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	--	--
Silver			--	--	--	< 10 U	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	--	--
Thallium			--	--	--	< 2 U	< 2 U	--	--	< 10 U	--	--	< 2 U	--	--	< 10 U	--	--	--	< 2 U	< 2 U	--	--	--	--	--
Tin			--	--	--	< 50 U	< 50 U	--	--	< 50 U	--	--	< 50 U	--	--	< 50 U	--	--	--	< 50 U	< 50 U	--	--	--	--	--
Vanadium			< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	--	--	--	--	--
Zinc			< 20 U	--	--	< 20 U	< 20 U	--	--	< 24 UJ	< 20 U	--	< 20 U	--	--	< 32 UJ	34	40	--	< 20 U	20	--	--	--	--	--
Herbicides (µg/L)																										
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/L)																										
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Endrin			--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde			--	--	--	--	--	--	--	< 0.1 UJ	--	--	--	--	--	< 0.1 UJ	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	< 1 U	--	--	--	--	--	< 1 U	--	--	--	--	--	--	--	--	--	--
Methoxychlor			--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	--	--
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	< 5 U	--	--	--	--	--	< 5 U	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																										
Diesel Range Organics			--	680	550	--	--	--	--	1200	--	3700	--	--	--	200	--	--	350	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5000 U	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																										
1,1-Biphenyl	**10**	10	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	< 9.6 U	--	--	--	--
1,2,4,5-Tetrachlorobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
1,2,4-Trichlorobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
1,2-Dichlorobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
1,3,5-Trinitrobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
1,3-Dichlorobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
1,3-Dinitrobenzene	**10**	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
1,4-Dichlorobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
1,4-Dioxane	70	70	--	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	--	< 10 U	< 10 U	< 20 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 2.0 U	--	--	--
1,4-Naphthoquinone			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
1-Naphthylamine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	--	< 10 U	--	< 10 U	< 10 U	< 50 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 5.0 U	--	--	--
2,2-Oxybis(1-Chloropropane)			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
2,3,4,6-Tetrachlorophenol			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
2,4,5-Trichlorophenol			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
2,4,6-Trichlorophenol			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
2,4-Dichlorophenol			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
2,4-Dimethylphenol	700	2000	--	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	--	< 10 U	< 10 U	< 20 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 2.0 U	--	--	--
2,4-Dinitrophenol			--	< 50 U	< 50 U	< 50 U	< 50 U	< 99 U	--	< 50 U	--	< 50 U	< 50 U	< 100 U	--	< 50 U	--	--	< 50 U	< 50 U	< 50 U	< 48 U	< 9.9 U	--	--	--
2,4-Dinitrotoluene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
2,6-Dichlorophenol			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
2,6-Dinitrotoluene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
2-Acetylaminofluorene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
2-Chloronaphthalene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
2-Chlorophenol			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
2-Methyl-4,6-dinitrophenol			--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U	--	< 50 U	--	--	< 50 U	< 50 U	< 50 U	< 48 U	< 5.0 U	--	--	--
2-Methylnaphthalene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
2-Methylphenol	10	5100	--	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	--	< 10 U	< 10 U	< 20 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 2.0 U	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F11	MW-F11	MW-F11	MW-F11	MW-F11	MW-F11	MW-F11	MW-F12	MW-F12	MW-F12	MW-F12	MW-F12	MW-F12	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13
Sample ID			MW-F11_11/1/02_NM	MW-F11_1/21/04_NM	MW-F11_1/21/04_DUP	MW-30_7/4/04_NM	MW-30_7/4/04_DUP	MW-F11 (071911)	MW-F11(112613)	MW-F12_10/31/00_NM	MW-F12_11/1/02_NM	MW-F12_1/21/04_NM	MW-29_7/3/04_NM	MW-F12 (071911)	MW-F12 (112713)	MW-F13_10/27/00_NM	MW-F13_11/1/02_NM	MW-F13_12/19/02_NM	MW-F13_1/22/04_NM	MW-18_7/1/04_NM	MW-18_7/1/04_DUP	MW-F13_7/6/06_NM	MW-F13 (072111)	MW-F13(112513)	MW-F13-13022017	DUP #2-13022017
Sample Date			11/01/2002	01/21/2004	01/21/2004	07/04/2004	07/04/2004	07/19/2011	11/26/2013	10/31/2000	11/01/2002	01/21/2004	07/03/2004	07/19/2011	11/27/2013	10/27/2000	11/01/2002	12/19/2002	01/22/2004	07/01/2004	07/01/2004	07/06/2006	07/21/2011	11/25/2013	02/13/2017	02/13/2017
Sample Type			N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	FD
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	--	< 10 U	--	< 10 U	< 10 U	< 50 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 5.0 U	--	--	--
2-Nitroaniline			--	< 50 U	< 50 U	< 50 U	< 50 U	< 9.9 U	--	< 50 U	--	< 50 U	< 50 U	< 10 U	--	< 50 U	--	--	< 50 U	< 50 U	< 50 U	< 48 U	< 0.99 U	--	--	--
2-Nitrophenol			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
2-Picoline			--	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	--	< 10 U	< 10 U	< 20 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 2.0 U	--	--	--
3,3-Dichlorobenzidine			--	< 20 U	< 20 U	< 20 U	< 20 U	< 200 U	--	< 20 U	--	< 20 U	< 20 U	< 200 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 19 U	< 20 U	--	--	--
3,3-Dimethylbenzidine			--	< 20 U	< 20 U	< 20 U	< 20 U	< 200 U	--	< 20 U	--	< 20 U	< 20 U	< 200 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	--
3-Methylchloranthrene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	--	--	< 20 U	--	--	--	--	--	< 20 U	--	--	--	--	--	--	--	< 9.6 U	< 2.0 U	--	--	--
3-Nitroaniline			--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U	--	< 50 U	--	--	< 50 U	< 50 U	< 50 U	< 48 U	< 5.0 U	--	--	--
4-Aminobiphenyl			--	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	--	< 10 U	--	< 10 U	< 10 U	< 50 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 5.0 U	--	--	--
4-Bromophenyl phenyl ether			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
4-Chloro-3-Methylphenol			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
4-Chlorophenyl phenyl ether			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
4-Dimethylaminoazobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	--	< 10 U	--	< 10 U	< 10 U	< 50 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 5.0 U	--	--	--
4-Methylphenol	**10**	10000	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	--	--	--	--
4-Nitroaniline			--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U	--	< 50 U	--	--	< 50 U	< 50 U	< 50 U	< 48 U	< 5.0 U	--	--	--
4-Nitrophenol			--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U	--	< 50 U	--	--	< 50 U	< 50 U	< 50 U	< 48 U	< 5.0 U	--	--	--
4-Nitroquinoline-N-Oxide			--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 2.0 U	--	--	--
5-Nitro-o-Toluidine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
7,12-Dimethylbenz(a)anthracene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Acenaphthene	2000	6100	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Acenaphthylene	10	10	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Acetophenone	4000	10000	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Aniline	20	500	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 2.0 U	--	--	--
Anthracene	10	31000	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Aramite			--	< 10 U	< 10 U	< 10 U	< 10 U	< 15 U	--	< 10 U	--	< 10 U	< 10 U	< 15 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 1.5 U	--	--	--
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 9.6 U	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 9.6 U	--	--	--	--
Benzo(a)anthracene	10	10	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Benzo(a)pyrene	10	10	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Benzo(b)fluoranthene	10	10	--	--	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 2.0 U	--	< 10 U	--	--	--	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Benzo(q,h,i)perylene	10	10	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Benzo(k)fluoranthene	10	39	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Benzyl Alcohol			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
beta-Pinene			--	< 10 U	< 10 U	--	--	--	--	< 100 U	--	< 10 U	--	--	--	< 100 U	--	--	< 10 U	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
bis(2-Chloroethyl)ether			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
bis(2-Ethylhexyl)phthalate	**10**	200	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	**46**	< 2.0 U	< 10 UJ	< 10 U	< 10 U	< 10 U	**41 B**	< 2.7 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.6 U	**16**	< 2.0 U	--	--
Butyl benzyl phthalate	100	15061	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	270 D	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 9.6 U	--	--	--	--
Chrysene	**10**	40	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Diallate			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Dibenzo(a,h)anthracene	10	10	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Dibenzofuran	**10**	10	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Diethyl phthalate			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Dimethoate			--	--	--	--	--	< 20 U	--	< 10 U	--	--	--	< 20 U	--	< 10 U	--	--	--	--	--	--	< 2.0 U	--	--	--
Dimethyl phthalate			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Dimethylphenethylamine			--	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 99 U	--	< 2000 U	--	< 2000 U	< 2000 U	< 100 U	--	< 2000 U	--	--	< 2000 U	< 2000 U	< 2000 U	--	< 9.9 U	--	--	--
Di-n-butyl phthalate			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Di-n-octyl phthalate	700	700	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Dinoseb			--	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	--	< 10 U	< 10 U	< 20 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 2.0 U	--	--	--
Diphenyl ether			< 10 U	--	--	--	--	--	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	< 10 U	--	--	--	--	--	--	--	--
Disulfoton			--	--	--	--	--	< 9.9 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	--	--	--	< 0.99 U	--	--	--
Ethyl Methanesulfonate			--	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	--	< 10 U	< 10 U	< 20 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 2.0 U	--	--	--
Famphur			--	--	--	--	--	< 9.9 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	--	--	--	< 0.99 U	--	--	--
Fluoranthene	1000	4100	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Fluorene	1000	4100	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Formaldehyde	**1000**	20000	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	6.7	< 50 U	--	--	--
Hexachloro-1,3-butadiene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Hexachlorobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Hexachlorocyclopentadiene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	--	< 10 U	< 10 U	< 20 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 2.0 U	--	--	--
Hexachloroethane			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Hexachlorophene			--	--	--	< 5000 U	< 5000 U	< 5000 U	--	< 5000 U	--	--	< 5000 U	< 5000 U	--	< 5000 U	--	--	--	< 5000 U	< 5000 U	--	< 500 U	--	--	--
Hexachloropropene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Indeno(1,2,3-cd)pyrene	10	10	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Isophorone			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Isosafrole			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Methapyrilene			--	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	--	< 2000 U	--	< 2000 U	< 2000 U	< 2000 U	--	< 2000 U	--	--	< 2000 U	< 2000 U	< 2000 U	--	< 200 U	--	--	--
Methyl methanesulfonate			--	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	--	< 10 U	< 10 U	< 20 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 2.0 U	--	--	--
Methyl parathion			--	--	--	--	--	< 9.9 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	--	--	--	< 0.99 U	--	--	--
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Nitrobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
N-Nitrosodiethylamine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
N-Nitrosodimethylamine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
N-Nitrosodi-n-butylamine	10	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
N-Nitrosodi-n-propylamine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
N-Nitrosodiphenylamine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
N-Nitrosomorpholine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
N-Nitroso-N-methylethylamine	**10**	10	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 2.0 U	--	--	--
N-Nitrosopiperidine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
N-Nitrosopyrrolidine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
o,o,o-Triethyl phosphorothioate			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	< 9.9 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	--	--	--	< 0.99 U	--	--	--
o-Toluidine			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Parathion	200	610	--	--	--	--	--	< 20 U	--	< 10 U	--	--	--	< 20 U	--	< 10 U	--	--	--	--	--	--	< 2.0 U	--	--	--
p-Chloroaniline			--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	< 19 U	< 2.0 U	--	--	--
Pentachlorobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Pentachloronitrobenzene			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Pentachlorophenol			--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U	--	< 50 U	--	--	< 50 U	< 50 U	< 50 U	< 48 U	< 5.0 U	--	--	--
Phenacetin			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Phenanthrene	**10**	10	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Phenol	**4**		--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.99 U	--	--	--
Phorate			--	--	--	--	--	< 9.9 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	--	--	--	< 0.99 U	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F11	MW-F11	MW-F11	MW-F11	MW-F11	MW-F11	MW-F11	MW-F12	MW-F12	MW-F12	MW-F12	MW-F12	MW-F12	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13	MW-F13
Sample ID			MW-F11_11/1/02_NM	MW-F11_1/21/04_NM	MW-F11_1/21/04_DUP	MW-30_7/4/04_NM	MW-30_7/4/04_DUP	MW-F11 (071911)	MW-F11(112613)	MW-F12_10/31/00_NM	MW-F12_11/1/02_NM	MW-F12_1/21/04_NM	MW-29_7/3/04_NM	MW-F12 (071911)	MW-F12 (112713)	MW-F13_10/27/00_NM	MW-F13_11/1/02_NM	MW-F13_12/19/02_NM	MW-F13_1/22/04_NM	MW-18_7/1/04_NM	MW-18_7/1/04_DUP	MW-F13_7/6/06_NM	MW-F13 (072111)	MW-F13(112513)	MW-F13-13022017	DUP #2-13022017
Sample Date			11/01/2002	01/21/2004	01/21/2004	07/04/2004	07/04/2004	07/19/2011	11/26/2013	10/31/2000	11/01/2002	01/21/2004	07/03/2004	07/19/2011	11/27/2013	10/27/2000	11/01/2002	12/19/2002	01/22/2004	07/01/2004	07/01/2004	07/06/2006	07/21/2011	11/25/2013	02/13/2017	02/13/2017
Sample Type			N	N	FD	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	FD
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			--	< 10 U	< 10 U	--	--	--	--	< 100 U	--	< 10 U	--	--	--	< 100 U	--	--	< 10 U	--	--	--	--	--	--	--
p-Phenylenediamine			--	< 2000 U	< 2000 U	< 2000 U	< 2000 U	< 2000 U	--	< 2000 U	--	< 2000 U	< 2000 U	< 2000 U	--	< 2000 U	--	--	< 2000 U	< 2000 U	< 2000 U	--	< 200 U	--	--	--
Propyzamide			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Pyrene	1000	3100	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 9.6 U	< 0.20 U	--	--	--
Pyridine			--	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	--	< 50 U	--	< 50 U	< 50 U	< 50 U	--	< 50 U	--	--	< 50 U	< 50 U	< 50 U	--	< 5.0 U	--	--	--
Safrole			--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.9 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	--	< 0.99 U	--	--	--
Sulfotep			--	--	--	--	--	< 9.9 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--	--	--	--	--	< 0.99 U	--	--	--
Volatile Organic Compounds (µg/L)																										
1,1,1,2-Tetrachloroethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
1,1,1-Trichloroethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
1,1,2,2-Tetrachloroethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
1,1,2-Trichloroethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
1,1-Dichloroethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
1,1-Dichloroethene			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
1,2,3-Trichloropropane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
1,2-Dibromo-3-chloropropane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
1,2-Dibromoethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
1,2-Dichloroethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
1,2-Dichloropropane	5	7.4	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
1,3-Dichlorobenzene			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
1,4-Dioxane	70	70	--	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	< 50 U	--	--	--
2-Butanone (MEK)	2000	12000	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	UJ	UJ
2-Chlor-1,3-Butadiene			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
2-Chloroethyl vinyl ether			--	< 10 U	< 10 U	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	< 10 U	--	--	--	--	--	UJ	UJ
2-Methyl-1-propanol	10000	31000	< 200 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	--	< 40 U	< 200 U	< 40 U	< 40 U	< 40 U	--	< 40 U	< 200 U	< 200 U	< 40 U	< 40 U	< 40 U	--	< 40 U	--	--	--
4-Methyl-2-Pentanone	2000	4200	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--
Acetone	4000	46000	< 50 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	--	< 25 U	< 50 U	< 25 U	49	< 25 U	--	< 25 U	< 50 U	< 50 U	< 25 U	< 25 U	< 25 U	< 25 U	< 25 U	--	UJ	UJ
Acetonitrile	200	200	--	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	--	< 40 U	--	< 40 U	< 40 U	< 40 U	--	< 40 U	--	--	< 40 U	< 40 U	< 40 U	--	< 40 U	--	--	--
Acrolein	700	700	< 100 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	--	< 20 U	< 100 U	< 100 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	UJ	UJ
Acrylonitrile			--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	UJ	UJ
Allyl chloride			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
Benzene	**5**	8.7	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Bromodichloromethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Bromoform			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Bromomethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	49	--	--	--	--
Carbon Disulfide	4000	4000	--	< 1 U	< 1 U	< 1 U	< 1 U	< 2.0 U	--	< 1 U	--	< 1 U	< 1 U	< 2.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 2 U	< 2.0 U	--	--	--
Carbon Tetrachloride			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
CFC-11 (Trichlorofluoromethane)			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	UJ
CFC-12 (Dichlorodifluoromethane)			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
Chlorobenzene	100	140	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Chlorodibromomethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Chloroethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Chloroform			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Chloromethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1 U	--	--	--	--
cis-1,3-Dichloropropene			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Dibromomethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
Dichloromethane			--	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	--	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U	--	UJ	UJ
Ethyl Methacrylate	3000	3000	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
Ethylbenzene	700	700	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	< 1 U	< 1 U	< 1 U	< 1 U	< 5.0 U	--	< 1 U	--	< 1 U	< 1 U	< 5.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 5.0 U	--	--	--
m&p-Xylenes			--	--	--	--	--	< 2.0 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	< 2.0 U	--	--	--
Methyl methacrylate			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--
Methylacrylonitrile			--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	--
Naphthalene	**20**	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--
Pentachloroethane			--	< 5 U	< 5 U	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	--	< 5 U	< 5 U	< 5 U	--	< 5.0 U	--	--	--
Propionitrile			--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	--
Styrene (Monomer)	100	2600	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	--	--
Tetrachloroethene	5	98	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Toluene	1000	5200	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Total Xylenes	**2**	10000	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	< 10 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2.0 U	--	--	--
trans-1,2-Dichloroethene			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
trans-1,3-Dichloropropene			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
trans-1,4-Dichloro-2-butene	2	2	--	< 2 U	< 2 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	--	< 2.0 U	--	--	--
Trichloroethene			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ
Vinyl acetate			--	< 2 U	< 2 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	--	< 2 U	< 2 U	< 2 U	--	< 2.0 U	--	--	--
Vinyl chloride			--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	--	UJ	UJ

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F16	MW-F16	MW-F16	MW-F16
Sample ID			MW-F14_10/27/00_NM	MW-F14_1/25/01_NM	MW-F14_11/1/02_NM	MW-F14_12/19/02_NM	MW-F14_1/23/04_NM	MW-F14_7/1/04_NM	MW-F14_7/6/06_NM	MW-F14_8/17/06_NM	MW-F14 (072111)	MW-F14(112513)	MW-F14-13022017	MW-F15_10/30/00_NM	MW-F15_11/1/02_NM	MW-F15_1/22/04_NM	MW-F15 (072211)	MW-F15 (050515)	MW-F15 (110415)	MW-F15 (050316)	MW-F16-13022017	MW-F15 (122817)	MW-F16_10/26/00_NM	MW-F16_11/1/02_NM	MW-F16_1/23/04_NM	MW-F16_1/23/04_DUP
Sample Date			10/27/2000	01/25/2001	11/01/2002	12/19/2002	01/23/2004	07/01/2004	07/06/2006	08/17/2006	07/21/2011	11/25/2013	02/13/2017	10/30/2000	11/01/2002	01/22/2004	07/22/2011	05/05/2015	11/04/2015	05/03/2016	02/13/2017	12/28/2017	10/26/2000	11/01/2002	01/23/2004	01/23/2004
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																										
Ammonia Nitrogen			200	--	--	--	--	--	--	--	--	--	--	210	--	--	--	--	--	--	--	--	200	--	--	--
Chloride			160000	--	--	--	--	--	--	--	--	--	--	28000	--	--	--	--	--	--	--	--	9100	--	--	--
Fluoride (F-, Anion)			< 200 U	--	--	--	--	--	--	--	--	--	--	510	--	--	--	--	--	--	--	--	260	--	--	--
Nitrate/Nitrite			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Sulfate			22000	--	--	--	--	--	--	--	--	--	--	99000	--	--	--	--	--	--	--	--	4200	--	--	--
Sulfide			< 1000 UJ	--	--	--	--	--	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	--	--	--	< 1000 UJ	--	--	--
Asbestos (MFL)																										
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																										
Cyanide			< 10 U	--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	< 10 U	--	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			1800000	--	--	--	--	--	--	--	--	--	--	710000	--	--	--	--	--	--	--	--	270000	--	--	--
Total Organic Carbon			74000	--	--	--	--	--	--	--	--	--	--	28000	--	--	--	--	--	--	--	--	< 1 U	--	--	--
Dioxins and Furans (µg/L)																										
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																										
Antimony			< 20 U	--	< 20 U	< 20 U	--	< 6 U	--	--	--	--	--	< 20 U	< 20 U	--	--	--	--	--	--	--	< 20 U	< 20 U	--	--
Arsenic			< 10 U	--	< 10 U	< 10 U	--	< 10 U	--	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--
Barium			140	--	110	98	--	82	--	--	--	--	--	20	22	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--
Beryllium			< 4 U	--	< 4 U	< 4 U	--	< 4 U	--	--	--	--	--	< 4 U	< 4 U	--	--	--	--	--	--	--	< 4 U	< 4 U	--	--
Cadmium			< 5 U	--	--	--	--	< 5 U	--	--	--	--	--	< 5 U	--	--	--	--	--	--	--	--	< 5 U	--	--	--
Chromium			< 10 U	--	< 10 U	< 10 U	--	< 10 U	--	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--
Cobalt			< 10 U	--	< 10 U	< 10 U	--	< 10 U	--	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--
Copper			< 20 U	--	< 20 U	< 20 U	--	< 20 U	--	--	--	--	--	< 20 U	< 20 U	--	--	--	--	--	--	--	< 20 U	< 20 U	--	--
Lead			< 5 U	--	< 5 U	< 5 U	--	< 5 U	--	--	--	--	--	< 5 U	< 5 U	--	--	--	--	--	--	--	< 5 U	< 5 U	--	--
Mercury			< 0.2 U	--	--	--	--	< 0.2 U	--	--	--	--	--	< 0.2 U	--	--	--	--	--	--	--	--	< 0.2 U	--	--	--
Nickel			< 40 U	--	< 40 U	< 40 U	--	< 40 U	--	--	--	--	--	< 40 U	< 40 U	--	--	--	--	--	--	--	< 40 U	< 40 U	--	--
Selenium			< 10 U	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	< 10 U	--	--	--
Silver			< 10 U	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	< 10 U	--	--	--
Thallium			< 10 U	--	--	--	--	< 2 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	< 10 U	--	--	--
Tin			< 50 U	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	< 50 U	--	--	--
Vanadium			< 10 U	--	< 10 U	< 10 U	--	< 10 U	--	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--
Zinc			< 33 UJ	--	< 20 U	< 20 U	--	< 20 U	--	--	--	--	--	< 20 UJ	< 20 U	--	--	--	--	--	--	--	< 20 UJ	< 20 U	--	--
Herbicides (µg/L)																										
2,4,5-T (Trichlorophenoxyacetic Acid)			< 0.5 U	--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--
2,4,5-TP (Silvex)			< 0.5 U	--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			< 0.5 U	--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--
Pesticides (µg/L)																										
4,4-DDD (Rhothane)			< 0.1 U	--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			< 0.1 U	--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			< 0.1 U	--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--
Aldrin			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Alpha-BHC			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Beta-BHC			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Chlordane			< 0.5 U	--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--
Chlorobenzilate			< 0.5 U	--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--
Delta-BHC			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Dieldrin			< 0.1 U	--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--
Endosulfan I			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Endosulfan II			< 0.1 U	--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--
Endosulfan sulfate			< 0.1 U	--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--
Endrin			< 0.1 U	--	--	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--
Endrin aldehyde			< 0.1 U	--	--	--	--	--	--	--	--	--	--	< 0.1 UJ	--	--	--	--	--	--	--	--	< 0.1 U	--	--	--
Heptachlor			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Heptachlor epoxide			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Isodrin			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Kepone			< 1 U	--	--	--	--	--	--	--	--	--	--	< 1 U	--	--	--	--	--	--	--	--	< 1 U	--	--	--
Methoxychlor			< 0.5 U	--	--	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--	--	--	--	--	--	< 0.5 U	--	--	--
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			< 0.05 U	--	--	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--	--	--	--	--	--	< 0.05 U	--	--	--
Toxaphene			< 5 U	--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	--	--	--	--	--	--	< 5 U	--	--	--
Total Petroleum Hydrocarbon (µg/L)																										
Diesel Range Organics			7900	--	--	--	4400 J	--	--	--	--	--	--	850	--	< 100 U	--	--	--	--	--	--	< 100 U	--	< 100 U	< 100 U
Gasoline Range Organics			55	--	--	--	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	< 50 U	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	< 5000 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																										
1,1-Biphenyl	**10**	10	< 10 U	--	--	--	--	--	< 9.5 U	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	< 10 U	--	--	--
1,2,4,5-Tetrachlorobenzene			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
1,2,4-Trichlorobenzene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
1,2-Dichlorobenzene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
1,3,5-Trinitrobenzene			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
1,3-Dichlorobenzene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
1,3-Dinitrobenzene	**10**	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	< 10 U	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
1,4-Dichlorobenzene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
1,4-Dioxane	70	70	< 10 U	< 10 U	--	--	22	25	23	--	18	--	--	< 10 U	--	< 10 U	< 2.0 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
1,4-Naphthoquinone			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
1-Naphthylamine			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 4.9 U	--	--	< 10 U	--	< 10 U	< 4.9 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2,2-Oxybis(1-Chloropropane)			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2,3,4,6-Tetrachlorophenol			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2,4,5-Trichlorophenol			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2,4,6-Trichlorophenol			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2,4-Dichlorophenol			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2,4-Dimethylphenol	700	2000	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 1.9 U	--	--	< 10 U	--	< 10 U	< 2.0 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2,4-Dinitrophenol			< 50 U	--	--	--	< 50 U	< 50 U	< 48 U	--	< 9.7 U	--	--	< 50 U	--	< 50 U	< 9.9 U	--	--	--	--	--	< 50 U	--	< 50 U	< 50 U
2,4-Dinitrotoluene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2,6-Dichlorophenol			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2,6-Dinitrotoluene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2-Acetylaminofluorene			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2-Chloronaphthalene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2-Chlorophenol			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2-Methyl-4,6-dinitrophenol			< 50 U	--	--	--	< 50 U	< 50 U	< 48 U	--	< 4.9 U	--	--	< 50 U	--	< 50 U	< 4.9 U	--	--	--	--	--	< 50 U	--	< 50 U	< 50 U
2-Methylnaphthalene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2-Methylphenol	10	5100	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 1.9 U	--	--	< 10 U	--	< 10 U	< 2.0 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F16	MW-F16	MW-F16	MW-F16
Sample ID			MW-F14_10/27/00_NM	MW-F14_1/25/01_NM	MW-F14_11/1/02_NM	MW-F14_12/19/02_NM	MW-F14_1/23/04_NM	MW-F14_7/1/04_NM	MW-F14_7/6/06_NM	MW-F14_8/17/06_NM	MW-F14 (072111)	MW-F14(112513)	MW-F14-13022017	MW-F15_10/30/00_NM	MW-F15_11/1/02_NM	MW-F15_1/22/04_NM	MW-F15 (072211)	MW-F15 (050515)	MW-F15 (110415)	MW-F15 (050316)	MW-F16-13022017	MW-F15 (122817)	MW-F16_10/26/00_NM	MW-F16_11/1/02_NM	MW-F16_1/23/04_NM	MW-F16_1/23/04_DUP
Sample Date			10/27/2000	01/25/2001	11/01/2002	12/19/2002	01/23/2004	07/01/2004	07/06/2006	08/17/2006	07/21/2011	11/25/2013	02/13/2017	10/30/2000	11/01/2002	01/22/2004	07/22/2011	05/05/2015	11/04/2015	05/03/2016	02/13/2017	12/28/2017	10/26/2000	11/01/2002	01/23/2004	01/23/2004
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 4.9 U	--	--	< 10 U	--	< 10 U	< 4.9 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2-Nitroaniline			< 50 U	--	--	--	< 50 U	< 50 U	< 48 U	--	< 0.97 U	--	--	< 50 U	--	< 50 U	< 0.99 U	--	--	--	--	--	< 50 U	--	< 50 U	< 50 U
2-Nitrophenol			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
2-Picoline			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 1.9 U	--	--	< 10 U	--	< 10 U	< 2.0 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
3,3-Dichlorobenzidine			< 20 U	--	--	--	< 20 U	< 20 U	< 19 U	--	< 19 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	--	--	< 20 U	--	< 20 U	< 20 U
3,3-Dimethylbenzidine			< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 19 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	--	--	< 20 U	--	< 20 U	< 20 U
3-Methylchloranthrene			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	--	--	--	< 9.5 U	--	< 1.9 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--
3-Nitroaniline			< 50 U	--	--	--	< 50 U	< 50 U	< 48 U	--	< 4.9 U	--	--	< 50 U	--	< 50 U	< 4.9 U	--	--	--	--	--	< 50 U	--	< 50 U	< 50 U
4-Aminobiphenyl			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 4.9 U	--	--	< 10 U	--	< 10 U	< 4.9 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
4-Bromophenyl phenyl ether			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
4-Chloro-3-Methylphenol			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
4-Chlorophenyl phenyl ether			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
4-Dimethylaminoazobenzene			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 4.9 U	--	--	< 10 U	--	< 10 U	< 4.9 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
4-Methylphenol	**10**	10000	< 10 U	--	--	--	< 10 U	< 10 U	--	--	--	--	--	< 10 U	--	< 10 U	--	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
4-Nitroaniline			< 50 U	--	--	--	< 50 U	< 50 U	< 48 U	--	< 4.9 U	--	--	< 50 U	--	< 50 U	< 4.9 U	--	--	--	--	--	< 50 U	--	< 50 U	< 50 U
4-Nitrophenol			< 50 U	--	--	--	< 50 U	< 50 U	< 48 U	--	< 4.9 U	--	--	< 50 U	--	< 50 U	< 4.9 U	--	--	--	--	--	< 50 U	--	< 50 U	< 50 U
4-Nitroquinoline-N-Oxide			< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 1.9 U	--	--	< 20 U	--	< 20 U	< 2.0 U	--	--	--	--	--	< 20 U	--	< 20 U	< 20 U
5-Nitro-o-Toluidine			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
7,12-Dimethylbenz(a)anthracene			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Acenaphthene	2000	6100	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
Acenaphthylene	10	10	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Acetophenone	4000	10000	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Aniline	20	500	< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 1.9 U	--	--	< 20 U	--	< 20 U	< 2.0 U	--	--	--	--	--	< 20 U	--	< 20 U	< 20 U
Anthracene	10	31000	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Aramite			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 1.5 U	--	--	< 10 U	--	< 10 U	< 1.5 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Atrazine			--	--	--	--	--	--	< 9.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	< 9.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Benzo(a)pyrene	10	10	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Benzo(b)fluoranthene	10	10	< 10 U	--	--	--	--	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	--	< 0.20 U	--	--	--	--	--	< 10 U	--	--	--
Benzo(g,h,i)perylene	10	10	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Benzo(k)fluoranthene	10	39	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Benzyl Alcohol			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
beta-Pinene			< 100 U	--	--	--	< 10 U	--	--	--	--	--	--	< 100 U	--	< 10 U	--	--	--	--	--	--	< 100 U	--	< 10 U	< 10 U
bis(2-Chloroethoxy)methane			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
bis(2-Chloroethyl)ether			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
bis(2-Ethylhexyl)phthalate	**10**	200	< 10 UJ	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.5 U	--	**16**	< 2.0 U	--	< 10 UJ	< 10 U	< 10 U	< 2.0 U	--	--	--	--	--	< 10 UJ	< 10 U	< 10 U	< 10 U
Butyl benzyl phthalate	100	15061	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	< 10 U	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
Caprolactam			--	--	--	--	--	--	370 D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	< 9.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
Diallate			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Dibenzo(a,h)anthracene	10	10	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Dibenzofuran	**10**	10	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Diethyl phthalate			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Dimethoate			< 10 U	--	--	--	--	--	--	--	< 1.9 U	--	--	< 10 U	--	--	< 2.0 U	--	--	--	--	--	< 10 U	--	--	--
Dimethyl phthalate			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Dimethylphenethylamine			< 2000 U	--	--	--	< 2000 U	< 2000 U	--	--	< 9.7 U	--	--	< 2000 U	--	< 2000 U	< 9.9 U	--	--	--	--	--	< 2000 U	--	< 2000 U	< 2000 U
Di-n-butyl phthalate			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Di-n-octyl phthalate	700	700	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Dinoseb			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 1.9 U	--	--	< 10 U	--	< 10 U	< 2.0 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Diphenyl ether			< 10 U	--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--
Disulfoton			< 10 U	--	--	--	--	--	--	--	< 0.97 U	--	--	< 10 U	--	--	< 0.99 U	--	--	--	--	--	< 10 U	--	--	--
Ethyl Methanesulfonate			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 1.9 U	--	--	< 10 U	--	< 10 U	< 2.0 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Famphur			< 10 U	--	--	--	--	--	--	--	< 0.97 U	--	--	< 10 U	--	--	< 0.99 U	--	--	--	--	--	< 10 U	--	--	--
Fluoranthene	1000	4100	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
Fluorene	1000	4100	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Formaldehyde	**1000**	20000	< 50 U	--	--	--	--	--	--	< 50 U	--	--	--	< 50 U	--	--	--	--	--	--	--	--	< 50 U	--	--	--
Hexachloro-1,3-butadiene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Hexachlorobenzene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Hexachlorocyclopentadiene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 1.9 U	--	--	< 10 U	--	< 10 U	< 2.0 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Hexachloroethane			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Hexachlorophene			< 5000 U	--	--	--	--	< 5000 U	--	--	< 490 U	--	--	< 5000 U	--	--	< 490 U	--	--	--	--	--	< 5000 U	--	--	--
Hexachloropropene			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Indeno(1,2,3-cd)pyrene	10	10	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Isophorone			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Isosafrole			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Methapyrilene			< 2000 U	--	--	--	< 2000 U	< 2000 U	--	--	< 190 U	--	--	< 2000 U	--	< 2000 U	< 200 U	--	--	--	--	--	< 2000 U	--	< 2000 U	< 2000 U
Methyl methanesulfonate			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 1.9 U	--	--	< 10 U	--	< 10 U	< 2.0 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Methyl parathion			< 10 U	--	--	--	--	--	--	--	< 0.97 U	--	--	< 10 U	--	--	< 0.99 U	--	--	--	--	--	< 10 U	--	--	--
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
Nitrobenzene			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
N-Nitrosodiethylamine			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
N-Nitrosodimethylamine			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
N-Nitrosodi-n-butylamine	10	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	< 10 U	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosodi-n-propylamine			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
N-Nitrosodiphenylamine			< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
N-Nitrosomorpholine			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
N-Nitroso-N-methylethylamine	**10**	10	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 1.9 U	--	--	< 10 U	< 10 U	< 10 U	< 2.0 U	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosopiperidine			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
N-Nitrosopyrrolidine			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
o,o,o-Triethyl phosphorothioate			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
o,o-Diethyl o-pyrazinyl phosphorothioate			< 10 U	--	--	--	--	--	--	--	< 0.97 U	--	--	< 10 U	--	--	< 0.99 U	--	--	--	--	--	< 10 U	--	--	--
o-Toluidine			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Parathion	200	610	< 10 U	--	--	--	--	--	--	--	< 1.9 U	--	--	< 10 U	--	--	< 2.0 U	--	--	--	--	--	< 10 U	--	--	--
p-Chloroaniline			< 20 U	--	--	--	< 20 U	< 20 U	< 19 U	--	< 1.9 U	--	--	< 20 U	--	< 20 U	< 2.0 U	--	--	--	--	--	< 20 U	--	< 20 U	< 20 U
Pentachlorobenzene			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Pentachloronitrobenzene			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Pentachlorophenol			< 50 U	--	--	--	< 50 U	< 50 U	< 48 U	--	< 4.9 U	--	--	< 50 U	--	< 50 U	< 4.9 U	--	--	--	--	--	< 50 U	--	< 50 U	< 50 U
Phenacetin			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Phenanthrene	**10**	10	< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	--	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Phenol	**4**		< 10 U	--	--	--	< 10 U	< 10 U	< 9.5 U	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Phorate			< 10 U	--	--	--	--	--	--	--	< 0.97 U	--	--	< 10 U	--	--	< 0.99 U	--	--	--	--	--	< 10 U	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F14	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F15	MW-F16	MW-F16	MW-F16	MW-F16
Sample ID			MW-F14_10/27/00_NM	MW-F14_1/25/01_NM	MW-F14_11/1/02_NM	MW-F14_12/19/02_NM	MW-F14_1/23/04_NM	MW-17_7/1/04_NM	MW-F14_7/6/06_NM	MW-F14_8/17/06_NM	MW-F14 (072111)	MW-F14(112513)	MW-F14-13022017	MW-F15_10/30/00_NM	MW-F15_11/1/02_NM	MW-F15_1/22/04_NM	MW-F15 (072211)	MW-F15 (050515)	MW-F15 (110415)	MW-F15 (050316)	MW-F16-13022017	MW-F15 (122817)	MW-F16_10/26/00_NM	MW-F16_11/1/02_NM	MW-F16_1/23/04_NM	MW-F16_1/23/04_DUP
Sample Date			10/27/2000	01/25/2001	11/01/2002	12/19/2002	01/23/2004	07/01/2004	07/06/2006	08/17/2006	07/21/2011	11/25/2013	02/13/2017	10/30/2000	11/01/2002	01/22/2004	07/22/2011	05/05/2015	11/04/2015	05/03/2016	02/13/2017	12/28/2017	10/26/2000	11/01/2002	01/23/2004	01/23/2004
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			< 100 U	--	--	--	< 10 U	--	--	--	--	--	--	< 100 U	--	< 10 U	--	--	--	--	--	--	< 100 U	--	< 10 U	< 10 U
p-Phenylenediamine			< 2000 U	--	--	--	< 2000 U	< 2000 U	--	--	< 190 U	--	--	< 2000 U	--	< 2000 U	< 200 U	--	--	--	--	--	< 2000 U	--	< 2000 U	< 2000 U
Propyzamide			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Pyrene	1000	3100	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 9.5 U	--	< 0.19 U	--	--	< 10 U	< 10 U	< 10 U	< 0.20 U	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
Pyridine			< 50 U	--	--	--	< 50 U	< 50 U	--	--	< 4.9 U	--	--	< 50 U	--	< 50 U	< 4.9 U	--	--	--	--	--	< 50 U	--	< 50 U	< 50 U
Safrole			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 0.97 U	--	--	< 10 U	--	< 10 U	< 0.99 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Sulfotep			< 10 U	--	--	--	--	--	--	--	< 0.97 U	--	--	< 10 U	--	--	< 0.99 U	--	--	--	--	--	< 10 U	--	--	--
Volatile Organic Compounds (µg/L)																										
1,1,1,2-Tetrachloroethane			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
1,1,1-Trichloroethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	< 1.0 UJ	--	< 1 U	--	< 1 U	< 1 U
1,1,2-Trichloroethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
1,1-Dichloroethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
1,1-Dichloroethene			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
1,2,3-Trichloropropane			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
1,2-Dibromoethane			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
1,2-Dichloropropane	5	7.4	< 1 U	--	--	--	2.1	1.9	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--
1,4-Dioxane	70	70	--	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	2000	12000	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	UJ	< 10 U	--	< 10 U	< 10 U	--	--	--	UJ	--	< 10 U	--	< 10 U	< 10 U
2-Chlor-1,3-Butadiene			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
2-Chloroethyl vinyl ether			--	--	--	--	< 10 U	--	--	--	--	--	UJ	--	--	< 10 U	--	--	--	--	UJ	--	--	--	< 10 U	< 10 U
2-Methyl-1-propanol	10000	31000	< 40 U	--	< 200 U	< 200 U	< 40 U	< 40 U	--	--	< 40 U	--	--	< 40 U	< 200 U	< 40 U	< 40 U	--	--	--	--	--	< 40 U	< 200 U	< 40 U	< 40 U
4-Methyl-2-Pentanone	2000	4200	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Acetone	4000	46000	< 59 U	< 50 U	< 50 U	< 50 U	< 25 U	< 25 U	< 25 U	--	< 25 U	--	43 J	< 25 U	< 50 U	< 25 U	< 25 U	--	--	--	UJ	--	< 25 U	< 50 U	< 25 U	< 25 U
Acetonitrile	200	200	< 40 U	--	--	--	< 40 U	< 40 U	--	--	< 40 U	--	--	< 40 U	--	< 40 U	< 40 U	--	--	--	--	--	< 40 U	--	< 40 U	< 40 U
Acrolein	700	700	< 20 U	--	< 100 U	< 100 U	< 20 U	< 20 U	--	--	< 20 U	--	< 20 UJ	< 20 U	< 100 U	< 20 U	< 20 U	--	--	--	UJ	--	< 20 U	< 100 U	< 20 U	< 20 U
Acrylonitrile			< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 20 U	--	UJ	< 20 U	--	< 20 U	< 20 U	--	--	--	UJ	--	< 20 U	--	< 20 U	< 20 U
Allyl chloride			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
Benzene	**5**	8.7	**10**	**5.4**	**5.3**	**9.4**	**14**	**9.2**	2.2	3.4	3.1	--	UJ	< 1 U	< 5 U	< 1 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	UJ	< 1.0 U	< 1 U	< 5 U	< 1 U	< 1 U
Bromodichloromethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Bromoform			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Bromomethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Carbon Dioxide			--	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	< 1 U	--	--	--	< 1 U	< 1 U	< 2 U	--	< 2.0 U	--	--	< 1 U	--	< 1 U	< 2.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
Carbon Tetrachloride			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
CFC-11 (Trichlorofluoromethane)			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	< 1.0 UJ	--	< 1 U	--	< 1 U	< 1 U
CFC-12 (Dichlorodifluoromethane)			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
Chlorobenzene	100	140	< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Chlorodibromomethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Chloroethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Chloroform			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Chloromethane			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
cis-1,2-Dichloroethene			--	--	--	--	--	--	< 1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	< 1.0 UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Dibromomethane			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
Dichloromethane			< 5 U	--	--	--	< 5 U	< 5 U	< 5 U	--	< 5.0 U	--	UJ	< 5 U	--	< 5 U	< 5.0 U	--	--	--	UJ	--	< 5 U	--	< 5 U	< 5 U
Ethyl Methacrylate	3000	3000	< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
Ethylbenzene	700	700	< 1 U	--	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	< 5 U	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	< 5 U	< 1 U	< 1 U
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 5.0 U	--	--	< 1 U	--	< 1 U	< 5.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
m&p-Xylenes			--	--	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			< 1 U	--	--	--	< 1 U	< 1 U	--	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
Methyl N-Butyl Ketone (2-Hexanone)			< 10 U	--	--	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	--	< 10 U	< 10 U	--	--	--	--	--	< 10 U	--	< 10 U	< 10 U
Methylacrylonitrile			< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	--	--	< 20 U	--	< 20 U	< 20 U
Naphthalene	**20**	20	--	--	--	--	--	--	--	< 5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			< 5 U	--	--	--	< 5 U	< 5 U	--	--	< 5.0 U	--	--	< 5 U	--	< 5 U	< 5.0 U	--	--	--	--	--	< 5 U	--	< 5 U	< 5 U
Propionitrile			< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 20 U	--	--	< 20 U	--	< 20 U	< 20 U	--	--	--	--	--	< 20 U	--	< 20 U	< 20 U
Styrene (Monomer)	100	2600	< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	--	< 1 U	--	< 1 U	< 1.0 U	--	--	--	--	--	< 1 U	--	< 1 U	< 1 U
Tetrachloroethene	5	98	< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Toluene	1000	5200	1.1	--	< 5 U	< 5 U	1.1	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	< 5 U	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	< 5 U	< 1 U	< 1 U
Total Xylenes	**2**	10000	< 2 U	--	< 10 U	< 10 U	**4**	< 2 U	< 2 U	--	< 2.0 U	--	--	< 2 U	< 10 U	< 2 U	< 2.0 U	--	--	--	--	--	< 2 U	< 10 U	< 2 U	< 2 U
trans-1,2-Dichloroethene			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
trans-1,3-Dichloropropene			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	2	2	< 2 U	--	--	--	< 2 U	< 2 U	--	--	< 2.0 U	--	--	< 2 U	--	< 2 U	< 2.0 U	--	--	--	--	--	< 2 U	--	< 2 U	< 2 U
Trichloroethene			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U
Vinyl acetate			< 2 U	--	--	--	< 2 U	< 2 U	--	--	< 2.0 U	--	--	< 2 U	--	< 2 U	< 2.0 U	--	--	--	--	--	< 2 U	--	< 2 U	< 2 U
Vinyl chloride			< 1 U	--	--	--	< 1 U	< 1 U	< 1 U	--	< 1.0 U	--	UJ	< 1 U	--	< 1 U	< 1.0 U	--	--	--	UJ	--	< 1 U	--	< 1 U	< 1 U

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F16	MW-F16	MW-F16	MW-F16	MW-F17	MW-F17	MW-F17	MW-F17	MW-F19	MW-F19	MW-F19	MW-F19	MW-F19	MW-F19	MW-F20	MW-F20	MW-F20	MW-F20	MW-F20	MW-F20	MW-F21	MW-F21	MW-F21
Sample ID			MW-14_7/1/04_NM	MW-F16_7/6/06_NM	MW-F16 (072011)	MW-F16(112513)	MW-F17_11/1/00_NM	MW-F17_11/1/02_NM	MW-F17_1/22/04_NM	MW-F17 (072211)	MW-F19_10/31/00_NM	MW-F19_11/1/02_NM	MW-F19_1/20/04_NM	MW-3_6/30/04_NM	MW-F19 (071911)	MW-F19(112613)	MW-F20_11/1/00_NM	MW-F20_11/1/02_NM	MW-F20_12/19/02_NM	MW-F20_1/21/04_NM	MW-22_7/2/04_NM	MW-F20_8/17/06_NM	MW-F21_11/1/00_NM	MW-F21_1/25/01_NM	MW-F21_11/1/02_NM
Sample Date			07/01/2004	07/06/2006	07/20/2011	11/25/2013	11/01/2000	11/01/2002	01/22/2004	07/22/2011	10/31/2000	11/01/2002	01/20/2004	06/30/2004	07/19/2011	11/26/2013	11/01/2000	11/01/2002	12/19/2002	01/21/2004	07/02/2004	08/17/2006	11/01/2000	01/25/2001	11/01/2002
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																									
Ammonia Nitrogen			--	--	--	--	50	--	--	--	50	--	--	--	--	--	920	--	--	--	--	--	< 0.03 U	--	--
Chloride			--	--	--	--	190000	--	--	--	14000	--	--	--	--	--	9300	--	--	--	--	--	14000	--	--
Fluoride (F-, Anion)			--	--	--	--	< 200 U	--	--	--	< 200 U	--	--	--	--	--	280	--	--	--	--	--	< 200 U	--	--
Nitrate/Nitrite			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Sulfate			--	--	--	--	18000	--	--	--	< 2.1 U	--	--	--	--	--	< 1 U	--	--	--	--	--	< 1 U	--	--
Sulfide			--	--	--	--	< 1000 UJ	--	--	--	< 1000 UJ	--	--	--	--	--	< 1000 UJ	--	--	--	--	--	< 1000 UJ	--	--
Asbestos (MFL)																									
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																									
Cyanide			--	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	1300000	--	--	--	400000	--	--	--	--	--	300000	--	--	--	--	--	790000	--	--
Total Organic Carbon			--	--	--	--	59000	--	--	--	3800	--	--	--	--	--	4200	--	--	--	--	--	460000	--	--
Dioxins and Furans (µg/L)																									
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																									
Antimony			< 6 U	--	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	< 6 U	--	--	< 20 U	< 20 U	< 20 U	--	< 6 U	--	< 20 U	--	< 20 U
Arsenic			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	19	< 10 U	--	< 10 U	--	< 10 U	--	< 10 U
Barium			< 10 U	--	--	--	100	83	--	--	64	88	--	76	--	--	37	270	70	--	27	--	97	--	120
Beryllium			< 4 U	--	--	--	< 4 U	< 4 U	--	--	< 4 U	< 4 U	--	< 4 U	--	--	< 4 U	4.3	< 4 U	--	< 4 U	--	< 4 U	--	< 4 U
Cadmium			< 5 U	--	--	--	< 5 U	--	--	--	< 5 U	--	--	< 5 U	--	--	< 5 U	--	--	--	< 5 U	--	< 5 U	--	--
Chromium			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	94	14	--	< 10 U	--	< 10 U	--	12
Cobalt			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	25	< 10 U	--	< 10 U	--	< 10 U	--	< 10 U
Copper			< 20 U	--	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	24	< 20 U	--	< 20 U	--	< 20 U	--	< 20 U
Lead			< 5 U	--	--	--	< 5 U	< 5 U	--	--	< 5 U	< 5 U	--	< 5 U	--	--	< 5 U	53	< 5 U	--	< 5 U	--	< 5 U	--	< 5 U
Mercury			< 0.2 U	--	--	--	< 0.2 U	--	--	--	< 0.2 U	--	--	< 0.2 U	--	--	< 0.2 U	--	--	--	< 0.2 U	--	< 0.2 U	--	--
Nickel			< 40 U	--	--	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	< 40 U	--	--	< 40 U	< 40 U	< 40 U	--	< 40 U	--	< 40 U	--	< 40 U
Selenium			< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--
Silver			< 10 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	< 10 U	--	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--
Thallium			< 2 U	--	--	--	< 10 U	--	--	--	< 10 U	--	--	< 2 U	--	--	< 10 U	--	--	--	< 2 U	--	< 10 U	--	--
Tin			< 50 U	--	--	--	< 50 U	--	--	--	< 50 U	--	--	< 50 U	--	--	< 50 U	--	--	--	< 50 U	--	< 50 U	--	--
Vanadium			< 10 U	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	120	19	--	< 10 U	--	< 10 U	--	13
Zinc			< 20 U	--	--	--	< 20 UJ	< 20 U	--	--	< 20 UJ	< 20 U	--	< 20 U	--	--	< 20 UJ	370	56	--	< 20 U	--	< 61 UJ	--	55
Herbicides (µg/L)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	< 0.5 U	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--
2,4,5-TP (Silvex)			--	--	--	--	< 0.5 U	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	< 0.5 U	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--
Pesticides (µg/L)																									
4,4-DDD (Rhothane)			--	--	--	--	< 0.1 U	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	< 0.1 U	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	< 0.1 U	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--
Aldrin			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Alpha-BHC			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Beta-BHC			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Chlordane			--	--	--	--	< 0.5 U	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--
Chlorobenzilate			--	--	--	--	< 0.5 U	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--
Delta-BHC			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Dieldrin			--	--	--	--	< 0.1 U	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--
Endosulfan I			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Endosulfan II			--	--	--	--	< 0.1 U	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--
Endosulfan sulfate			--	--	--	--	< 0.1 U	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--
Endrin			--	--	--	--	< 0.1 U	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--
Endrin aldehyde			--	--	--	--	< 0.1 U	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 U	--	--	--	--	--	< 0.1 UJ	--	--
Heptachlor			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Heptachlor epoxide			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Isodrin			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Kepone			--	--	--	--	< 1 U	--	--	--	< 1 U	--	--	--	--	--	< 1 U	--	--	--	--	--	< 1 U	--	--
Methoxychlor			--	--	--	--	< 0.5 U	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--	--	--	--	< 0.5 U	--	--
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	< 0.05 U	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--	--	--	--	< 0.05 U	--	--
Toxaphene			--	--	--	--	< 5 U	--	--	--	< 5 U	--	--	--	--	--	< 5 U	--	--	--	--	--	< 5 U	--	--
Total Petroleum Hydrocarbon (µg/L)																									
Diesel Range Organics			--	--	--	--	830	--	1600	--	< 100 UJ	--	< 100 U	--	--	--	< 100 UJ	--	--	150	--	--	5800	--	--
Gasoline Range Organics			--	--	--	--	< 50 U	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	76	--	--
Total Petroleum Hydrocarbon (TPH)			--	< 5000 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																									
1,1-Biphenyl	**10**	10	--	< 9.5 U	--	--	< 10 U	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--
1,2,4,5-Tetrachlorobenzene			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
1,2,4-Trichlorobenzene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
1,2-Dichlorobenzene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
1,3,5-Trinitrobenzene			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
1,3-Dichlorobenzene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
1,3-Dinitrobenzene	**10**	10	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	< 10 U	< 0.99 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.98 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U
1,4-Dichlorobenzene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
1,4-Dioxane	70	70	< 10 U	< 9.5 U	< 2.0 U	--	< 10 U	--	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
1,4-Naphthoquinone			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
1-Naphthylamine			< 10 U	--	< 5.0 U	--	< 10 U	--	< 10 U	< 4.9 U	< 10 U	--	< 10 U	< 10 U	< 4.9 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2,2-Oxybis(1-Chloropropane)			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2,3,4,6-Tetrachlorophenol			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2,4,5-Trichlorophenol			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2,4,6-Trichlorophenol			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2,4-Dichlorophenol			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2,4-Dimethylphenol	700	2000	< 10 U	< 9.5 U	< 2.0 U	--	< 10 U	--	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2,4-Dinitrophenol			< 50 U	< 48 U	< 9.9 U	--	< 50 U	--	< 50 U	< 9.9 U	< 50 U	--	< 50 U	< 50 U	< 9.8 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 50 U	--	--
2,4-Dinitrotoluene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2,6-Dichlorophenol			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2,6-Dinitrotoluene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2-Acetylaminofluorene			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2-Chloronaphthalene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2-Chlorophenol			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2-Methyl-4,6-dinitrophenol			< 50 U	< 48 U	< 5.0 U	--	< 50 U	--	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 50 U	< 4.9 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 50 U	--	--
2-Methylnaphthalene			< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2-Methylphenol	10	5100	< 10 U	< 9.5 U	< 2.0 U	--	< 10 U	--	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F16	MW-F16	MW-F16	MW-F16	MW-F17	MW-F17	MW-F17	MW-F17	MW-F19	MW-F19	MW-F19	MW-F19	MW-F19	MW-F19	MW-F20	MW-F20	MW-F20	MW-F20	MW-F20	MW-F20	MW-F21	MW-F21	MW-F21
Sample ID			MW-14_7/1/04_NM	MW-F16_7/6/06_NM	MW-F16 (072011)	MW-F16(112513)	MW-F17_11/1/00_NM	MW-F17_11/1/02_NM	MW-F17_1/22/04_NM	MW-F17 (072211)	MW-F19_10/31/00_NM	MW-F19_11/1/02_NM	MW-F19_1/20/04_NM	MW-3_6/30/04_NM	MW-F19 (071911)	MW-F19(112613)	MW-F20_11/1/00_NM	MW-F20_11/1/02_NM	MW-F20_12/19/02_NM	MW-F20_1/21/04_NM	MW-22_7/2/04_NM	MW-F20_8/17/06_NM	MW-F21_11/1/00_NM	MW-F21_1/25/01_NM	MW-F21_11/1/02_NM
Sample Date			07/01/2004	07/06/2006	07/20/2011	11/25/2013	11/01/2000	11/01/2002	01/22/2004	07/22/2011	10/31/2000	11/01/2002	01/20/2004	06/30/2004	07/19/2011	11/26/2013	11/01/2000	11/01/2002	12/19/2002	01/21/2004	07/02/2004	08/17/2006	11/01/2000	01/25/2001	11/01/2002
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			< 10 U	--	< 5.0 U	--	< 10 U	--	< 10 U	< 4.9 U	< 10 U	--	< 10 U	< 10 U	< 4.9 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2-Nitroaniline			< 50 U	< 48 U	< 0.99 U	--	< 50 U	--	< 50 U	< 0.99 U	< 50 U	--	< 50 U	< 50 U	< 0.98 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 50 U	--	--
2-Nitrophenol			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2-Picoline			< 10 U	--	< 2.0 U	--	< 10 U	--	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
3,3-Dichlorobenzidine			< 20 U	< 19 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--
3,3-Dimethylbenzidine			< 20 U	--	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--
3-Methylchloranthrene			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
3-Methylphenol, 4-Methylphenol	10	5100	--	< 9.5 U	< 2.0 U	--	--	--	--	< 2.0 U	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			< 50 U	< 48 U	< 5.0 U	--	< 50 U	--	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 50 U	< 4.9 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 50 U	--	--
4-Aminobiphenyl			< 10 U	--	< 5.0 U	--	< 10 U	--	< 10 U	< 4.9 U	< 10 U	--	< 10 U	< 10 U	< 4.9 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
4-Bromophenyl phenyl ether			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
4-Chloro-3-Methylphenol			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
4-Chlorophenyl phenyl ether			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
4-Dimethylaminoazobenzene			< 10 U	--	< 5.0 U	--	< 10 U	--	< 10 U	< 4.9 U	< 10 U	--	< 10 U	< 10 U	< 4.9 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
4-Methylphenol	**10**	10000	< 10 U	--	--	--	< 10 U	--	< 10 U	--	< 10 U	--	< 10 U	< 10 U	--	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
4-Nitroaniline			< 50 U	< 48 U	< 5.0 U	--	< 50 U	--	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 50 U	< 4.9 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 50 U	--	--
4-Nitrophenol			< 50 U	< 48 U	< 5.0 U	--	< 50 U	--	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 50 U	< 4.9 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 50 U	--	--
4-Nitroquinoline-N-Oxide			< 20 U	--	< 2.0 U	--	< 20 U	--	< 20 U	< 2.0 U	< 20 U	--	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--
5-Nitro-o-Toluidine			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
7,12-Dimethylbenz(a)anthracene			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Acenaphthene	2000	6100	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U
Acenaphthylene	10	10	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Acetophenone	4000	10000	< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Aniline	20	500	< 20 U	--	< 2.0 U	--	< 20 U	--	< 20 U	< 2.0 U	< 20 U	--	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--
Anthracene	10	31000	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Aramite			< 10 U	--	< 1.5 U	--	< 10 U	--	< 10 U	< 1.5 U	< 10 U	--	< 10 U	< 10 U	< 1.5 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Atrazine			--	< 9.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	< 9.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Benzo(a)pyrene	10	10	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Benzo(b)fluoranthene	10	10	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	--	< 0.20 U	< 10 U	--	--	< 10 U	< 0.20 U	--	< 10 U	--	--	--	< 10 U	--	< 10 U	--	--
Benzo(q,h,i)perylene	10	10	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Benzo(k)fluoranthene	10	39	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Benzyl Alcohol			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
beta-Pinene			--	--	--	--	< 100 U	--	< 10 U	--	< 100 U	--	< 10 U	--	--	--	< 100 U	--	--	< 10 U	--	--	< 100 U	--	--
bis(2-Chloroethoxy)methane			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
bis(2-Chloroethyl)ether			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
bis(2-Ethylhexyl)phthalate	**10**	200	< 10 U	< 9.5 U	**23**	< 2.0 U	< 10 UJ	< 10 U	< 10 U	< 2.0 U	< 10 UJ	< 10 U	< 10 U	< 10 U	**19**	< 2.0 U	< 10 UJ	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 UJ	--	< 10 U
Butyl benzyl phthalate	100	15061	< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	< 10 U	< 10 U	< 0.99 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.98 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U
Caprolactam			--	570 D	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	< 9.5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U
Diallate			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Dibenzo(a,h)anthracene	10	10	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Dibenzofuran	**10**	10	< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Diethyl phthalate			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Dimethoate			--	--	< 2.0 U	--	< 10 U	--	--	< 2.0 U	< 10 U	--	--	--	< 2.0 U	--	< 10 U	--	--	--	--	--	< 10 U	--	--
Dimethyl phthalate			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Dimethylphenethylamine			< 2000 U	--	< 9.9 U	--	< 2000 U	--	< 2000 U	< 9.9 U	< 2000 U	--	< 2000 U	< 2000 U	< 9.8 U	--	< 2000 U	--	--	< 2000 U	< 2000 U	--	< 2000 U	--	--
Di-n-butyl phthalate			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Di-n-octyl phthalate	700	700	< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Dinoseb			< 10 U	--	< 2.0 U	--	< 10 U	--	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Diphenyl ether			--	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	< 10 U	--	--	--	68	--	< 10 U
Disulfoton			--	--	< 0.99 U	--	< 10 U	--	--	< 0.99 U	< 10 U	--	--	--	< 0.98 U	--	< 10 U	--	--	--	--	--	< 10 U	--	--
Ethyl Methanesulfonate			< 10 U	--	< 2.0 U	--	< 10 U	--	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Famphur			--	--	< 0.99 U	--	< 10 U	--	--	< 0.99 U	< 10 U	--	--	--	< 0.98 U	--	< 10 U	--	--	--	--	--	< 10 U	--	--
Fluoranthene	1000	4100	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U
Fluorene	1000	4100	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Formaldehyde	**1000**	20000	--	--	--	--	< 50 U	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	< 50 U	**310000**	**83000**	--
Hexachloro-1,3-butadiene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Hexachlorobenzene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Hexachlorocyclopentadiene			< 10 U	< 9.5 U	< 2.0 U	--	< 10 U	--	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Hexachloroethane			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Hexachlorophene			< 5000 U	--	< 500 U	--	< 5000 U	--	--	< 490 U	< 5000 U	--	--	< 5000 U	< 490 U	--	< 5000 U	--	--	--	< 5000 U	--	< 5000 U	--	--
Hexachloropropene			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Indeno(1,2,3-cd)pyrene	10	10	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Isophorone			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Isosafrole			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Methapyrilene			< 2000 U	--	< 200 U	--	< 2000 U	--	< 2000 U	< 200 U	< 2000 U	--	< 2000 U	< 2000 U	< 200 U	--	< 2000 U	--	--	< 2000 U	< 2000 U	--	< 2000 U	--	--
Methyl methanesulfonate			< 10 U	--	< 2.0 U	--	< 10 U	--	< 10 U	< 2.0 U	< 10 U	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Methyl parathion			--	--	< 0.99 U	--	< 10 U	--	--	< 0.99 U	< 10 U	--	--	--	< 0.98 U	--	< 10 U	--	--	--	--	--	< 10 U	--	--
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	**110**	--	12
Nitrobenzene			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
N-Nitrosodiethylamine			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
N-Nitrosodimethylamine			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
N-Nitrosodi-n-butylamine	10	10	< 10 U	--	< 0.99 U	--	< 10 U	< 10 U	< 10 U	< 0.99 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.98 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U
N-Nitrosodi-n-propylamine			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
N-Nitrosodiphenylamine			< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
N-Nitrosomorpholine			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
N-Nitroso-N-methylethylamine	**10**	10	< 10 U	--	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 2.0 U	< 10 U	< 10 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	**11**	--	< 10 U
N-Nitrosopiperidine			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
N-Nitrosopyrrolidine			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
o,o,o-Triethyl phosphorothioate			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	< 0.99 U	--	< 10 U	--	--	< 0.99 U	< 10 U	--	--	--	< 0.98 U	--	< 10 U	--	--	--	--	--	< 10 U	--	--
o-Toluidine			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Parathion	200	610	--	--	< 2.0 U	--	< 10 U	--	--	< 2.0 U	< 10 U	--	--	--	< 2.0 U	--	< 10 U	--	--	--	--	--	< 10 U	--	--
p-Chloroaniline			< 20 U	< 19 U	< 2.0 U	--	< 20 U	--	< 20 U	< 2.0 U	< 20 U	--	< 20 U	< 20 U	< 2.0 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--
Pentachlorobenzene			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Pentachloronitrobenzene			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Pentachlorophenol			< 50 U	< 48 U	< 5.0 U	--	< 50 U	--	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 50 U	< 4.9 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 50 U	--	--
Phenacetin			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Phenanthrene	**10**	10	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	--	< 10 U	< 0.20 U	< 10 U	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Phenol	**4**		< 10 U	< 9.5 U	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Phorate			--	--	< 0.99 U	--	< 10 U	--	--	< 0.99 U	< 10 U	--	--	--	< 0.98 U	--	< 10 U	--	--	--	--	--	< 10 U	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F16	MW-F16	MW-F16	MW-F16	MW-F17	MW-F17	MW-F17	MW-F17	MW-F19	MW-F19	MW-F19	MW-F19	MW-F19	MW-F19	MW-F20	MW-F20	MW-F20	MW-F20	MW-F20	MW-F20	MW-F21	MW-F21	MW-F21
Sample ID			MW-14_7/1/04_NM	MW-F16_7/6/06_NM	MW-F16 (072011)	MW-F16(112513)	MW-F17_11/1/00_NM	MW-F17_11/1/02_NM	MW-F17_1/22/04_NM	MW-F17 (072211)	MW-F19_10/31/00_NM	MW-F19_11/1/02_NM	MW-F19_1/20/04_NM	MW-3_6/30/04_NM	MW-F19 (071911)	MW-F19(112613)	MW-F20_11/1/00_NM	MW-F20_11/1/02_NM	MW-F20_12/19/02_NM	MW-F20_1/21/04_NM	MW-22_7/2/04_NM	MW-F20_8/17/06_NM	MW-F21_11/1/00_NM	MW-F21_1/25/01_NM	MW-F21_11/1/02_NM
Sample Date			07/01/2004	07/06/2006	07/20/2011	11/25/2013	11/01/2000	11/01/2002	01/22/2004	07/22/2011	10/31/2000	11/01/2002	01/20/2004	06/30/2004	07/19/2011	11/26/2013	11/01/2000	11/01/2002	12/19/2002	01/21/2004	07/02/2004	08/17/2006	11/01/2000	01/25/2001	11/01/2002
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			--	--	--	--	< 100 U	--	< 10 U	--	< 100 U	--	< 10 U	--	--	--	< 100 U	--	--	< 10 U	--	--	< 100 U	--	--
p-Phenylenediamine			< 2000 U	--	< 200 U	--	< 2000 U	--	< 2000 U	< 200 U	< 2000 U	--	< 2000 U	< 2000 U	< 200 U	--	< 2000 U	--	--	< 2000 U	< 2000 U	--	< 2000 U	--	--
Propyzamide			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Pyrene	1000	3100	< 10 U	< 9.5 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 0.20 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U
Pyridine			< 50 U	--	< 5.0 U	--	< 50 U	--	< 50 U	< 4.9 U	< 50 U	--	< 50 U	< 50 U	< 4.9 U	--	< 50 U	--	--	< 50 U	< 50 U	--	< 50 U	--	--
Safrole			< 10 U	--	< 0.99 U	--	< 10 U	--	< 10 U	< 0.99 U	< 10 U	--	< 10 U	< 10 U	< 0.98 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Sulfotep			--	--	< 0.99 U	--	< 10 U	--	--	< 0.99 U	< 10 U	--	--	--	< 0.98 U	--	< 10 U	--	--	--	--	--	< 10 U	--	--
Volatile Organic Compounds (µg/L)																									
1,1,1,2-Tetrachloroethane			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,1,1-Trichloroethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,1,2,2-Tetrachloroethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,1,2-Trichloroethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,1-Dichloroethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,1-Dichloroethene			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,2,3-Trichloropropane			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,2,4-Trichlorobenzene			--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,2-Dibromoethane			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,2-Dichlorobenzene			--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,2-Dichloropropane	5	7.4	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
1,3-Dichlorobenzene			--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	70	70	--	--	< 50 U	--	--	--	--	< 50 U	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	2000	12000	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
2-Chlor-1,3-Butadiene			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
2-Chloroethyl vinyl ether			--	--	--	--	--	--	< 10 U	--	--	--	< 10 U	--	--	--	--	--	--	< 10 U	--	--	--	--	--
2-Methyl-1-propanol	10000	31000	< 40 U	--	< 40 U	--	< 40 U	< 200 U	< 40 U	< 40 U	< 40 U	< 200 U	< 40 U	< 40 U	< 40 U	--	< 40 U	< 200 U	< 200 U	< 40 U	< 40 U	--	140	< 200 U	< 200 U
4-Methyl-2-Pentanone	2000	4200	< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Acetone	4000	46000	< 25 U	< 25 U	< 25 U	--	< 25 U	< 50 U	< 25 U	< 25 U	< 25 U	< 50 U	< 25 U	< 25 U	< 25 U	--	< 25 U	< 50 U	< 50 U	< 25 U	< 25 U	--	< 93 U	< 50 U	< 50 U
Acetonitrile	200	200	< 40 U	--	< 40 U	--	< 40 U	--	< 40 U	< 40 U	< 40 U	--	< 40 U	< 40 U	< 40 U	--	< 40 U	--	--	< 40 U	< 40 U	--	< 40 U	--	--
Acrolein	700	700	< 20 U	--	< 20 U	--	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	< 100 U	< 20 U	< 20 U	< 20 U	--	< 20 U	< 100 U	< 100 U	< 20 U	< 20 U	--	< 20 U	--	< 100 U
Acrylonitrile			< 20 U	--	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--
Allyl chloride			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Benzene	**5**	8.7	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 1 U	< 1.0 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	**32**	**40**	**42**
Bromodichloromethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Bromoform			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Bromomethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Carbon Dioxide			--	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	< 1 U	< 2 U	< 2.0 U	--	< 1 U	--	< 1 U	< 2.0 U	< 1 U	--	< 1 U	< 1 U	< 2.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Carbon Tetrachloride			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
CFC-11 (Trichlorofluoromethane)			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
CFC-12 (Dichlorodifluoromethane)			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Chlorobenzene	100	140	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Chlorodibromomethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Chloroethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Chloroform			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Chloromethane			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
cis-1,2-Dichloroethene			--	< 1 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Dibromomethane			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Dichloromethane			< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	< 5 U	< 5.0 U	< 5 U	--	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	--	< 5 U	< 5 U	--	< 5 U	--	--
Ethyl Methacrylate	3000	3000	< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Ethylbenzene	700	700	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 1 U	< 1.0 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	--	< 1 U	--	< 5 U
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			< 1 U	--	< 5.0 U	--	< 1 U	--	< 1 U	< 5.0 U	< 1 U	--	< 1 U	< 1 U	< 5.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
m&p-Xylenes			--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			< 1 U	--	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Methyl N-Butyl Ketone (2-Hexanone)			< 10 U	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	< 10 U	< 10 U	--	< 10 U	--	--	< 10 U	< 10 U	--	< 10 U	--	--
Methylacrylonitrile			< 20 U	--	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--
Naphthalene	**20**	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			< 5 U	--	< 5.0 U	--	< 5 U	--	< 5 U	< 5.0 U	< 5 U	--	< 5 U	< 5 U	< 5.0 U	--	< 5 U	--	--	< 5 U	< 5 U	--	< 5 U	--	--
Propionitrile			< 20 U	--	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	< 20 U	< 20 U	--	< 20 U	--	--	< 20 U	< 20 U	--	< 20 U	--	--
Styrene (Monomer)	100	2600	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Tetrachloroethene	5	98	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Toluene	1000	5200	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 1 U	< 1.0 U	< 1 U	< 5 U	< 1 U	< 1 U	< 1.0 U	--	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U	--	< 1 U	--	< 5 U
Total Xylenes	**2**	10000	< 2 U	< 2 U	< 2.0 U	--	< 2 U	< 10 U	< 2 U	< 2.0 U	< 2 U	< 10 U	< 2 U	< 2 U	< 2.0 U	--	< 2 U	< 10 U	< 10 U	< 2 U	< 2 U	--	< 2 U	--	< 10 U
trans-1,2-Dichloroethene			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
trans-1,3-Dichloropropene			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
trans-1,4-Dichloro-2-butene	2	2	< 2 U	--	< 2.0 U	--	< 2 U	--	< 2 U	< 2.0 U	< 2 U	--	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	--	< 2 U	< 2 U	--	< 2 U	--	--
Trichloroethene			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--
Vinyl acetate			< 2 U	--	< 2.0 U	--	< 2 U	--	< 2 U	< 2.0 U	< 2 U	--	< 2 U	< 2 U	< 2.0 U	--	< 2 U	--	--	< 2 U	< 2 U	--	< 2 U	--	--
Vinyl chloride			< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	< 1 U	< 1.0 U	< 1 U	--	< 1 U	< 1 U	< 1.0 U	--	< 1 U	--	--	< 1 U	< 1 U	--	< 1 U	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23	MW-23
Sample ID			MW-F21_12/19/02_NM	MW-F21_1/22/04_NM	MW-28_7/3/04_NM	MW-F21_8/16/06_NM	MW-F21_7/30/08_NM	MW-F21_11/19/08_NM	MW-F21 (072111)	DUP-02 (072111)	MW-F21(11122013)	MW-F21 (052214)	MW-F21 (110314)	DUP-01 (110314)	MW-F21(05042015)	MW-F21 (110415)	MW-F21 (050316)	MW-F21 (122717)	MW-22_11/1/02_NM	MW-11_7/1/04_NM	MW-22 (072111)	MW-22(112513)	MW-23_11/1/02_NM	MW-9_7/1/04_NM	MW-23 (072011)
Sample Date			12/19/2002	01/22/2004	07/03/2004	08/16/2006	07/30/2008	11/19/2008	07/21/2011	07/21/2011	11/12/2013	05/22/2014	11/03/2014	11/03/2014	05/04/2015	11/04/2015	05/03/2016	12/27/2017	11/01/2002	07/01/2004	07/21/2011	11/25/2013	11/01/2002	07/01/2004	07/20/2011
Sample Type			N	N	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																									
Ammonia Nitrogen			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Asbestos (MFL)																									
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																									
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/L)																									
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																									
Antimony			< 20 U	--	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--	< 20 U	< 6 U	--	--	< 20 U	< 6 U	--
Arsenic			< 10 U	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--
Barium			110	--	86	--	--	--	--	--	--	--	--	--	--	--	--	--	62	68	--	--	87	25	--
Beryllium			< 4 U	--	< 4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4 U	< 4 U	--	--	< 4 U	< 4 U	--
Cadmium			--	--	< 5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	--	< 5 U	--
Chromium			< 10 U	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--
Cobalt			< 10 U	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--
Copper			< 20 U	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--
Lead			< 5 U	--	< 5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5 U	< 5 U	--	--	< 5 U	< 5 U	--
Mercury			--	--	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.2 U	--	--	--	< 0.2 U	--
Nickel			< 40 U	--	< 40 U	--	--	--	--	--	--	--	--	--	--	--	--	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--
Selenium			--	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	--	< 10 U	--
Silver			--	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 10 U	--	--	--	< 10 U	--
Thallium			--	--	< 2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 2 U	--	--	--	< 2 U	--
Tin			--	--	< 50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 50 U	--	--	--	< 50 U	--
Vanadium			< 10 U	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--
Zinc			53	--	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	51	< 20 U	--	--	35	< 20 U	--
Herbicides (µg/L)																									
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/L)																									
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																									
Diesel Range Organics			--	1600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																									
1,1-Biphenyl	**10**	10	--	--	--	--	--	--	--	--	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	< 5.6 U	< 0.99 UF2	< 1.1 U	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
1,2,4-Trichlorobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
1,2-Dichlorobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
1,3,5-Trinitrobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
1,3-Dichlorobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
1,3-Dinitrobenzene	**10**	10	< 10 U	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	< 5.6 U	< 0.99 U	< 1.1 U	< 10 U	< 10 U	< 1.0 U	--	< 10 U	< 10 U	< 0.99 U
1,4-Dichlorobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
1,4-Dioxane	70	70	--	< 10 U	< 10 U	--	--	--	< 96 U	21	< 20 U	11	< 21 U	--	16	14	13	3.3	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U
1,4-Naphthoquinone			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 100 U	--	< 9.7 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
1-Naphthylamine			--	< 10 U	< 10 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 52 U	--	< 4.8 U	--	--	--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 4.9 U
2,2-Oxybis(1-Chloropropane)			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2,3,4,6-Tetrachlorophenol			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2,4,5-Trichlorophenol			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2,4,6-Trichlorophenol			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2,4-Dichlorophenol			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2,4-Dimethylphenol	700	2000	--	16	13	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	< 11 U	< 2.0 U	< 2.2 U	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U
2,4-Dinitrophenol			--	< 50 U	< 50 U	--	--	--	< 480 U	< 95 U	< 99 U	< 10 U	< 100 U	--	< 9.7 U	--	--	--	--	< 50 U	< 10 U	--	--	< 50 U	< 9.9 U
2,4-Dinitrotoluene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2,6-Dichlorophenol			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2,6-Dinitrotoluene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2-Acetylaminofluorene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2-Chloronaphthalene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2-Chlorophenol			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2-Methyl-4,6-dinitrophenol			--	< 50 U	< 50 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 52 U	--	< 4.8 U	--	--	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 4.9 U
2-Methylnaphthalene			--	< 10 U	< 10 U	--	--	--	15	23	4	< 0.21 U	9	--	6.6	--	--	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
2-Methylphenol	10	5100	--	< 10 U	< 10 U	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	< 11 U	< 2.0 UF1F2	< 2.2 U	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23	MW-23
Sample ID			MW-F21_12/19/02_NM	MW-F21_1/22/04_NM	MW-28_7/3/04_NM	MW-F21_8/16/06_NM	MW-F21_7/30/08_NM	MW-F21_11/19/08_NM	MW-F21 (072111)	DUP-02 (072111)	MW-F21(11122013)	MW-F21 (052214)	MW-F21 (110314)	DUP-01 (110314)	MW-F21(05042015)	MW-F21 (110415)	MW-F21 (050316)	MW-F21 (122717)	MW-22_11/1/02_NM	MW-11_7/1/04_NM	MW-22 (072111)	MW-22(112513)	MW-23_11/1/02_NM	MW-9_7/1/04_NM	MW-23 (072011)
Sample Date			12/19/2002	01/22/2004	07/03/2004	08/16/2006	07/30/2008	11/19/2008	07/21/2011	07/21/2011	11/12/2013	05/22/2014	11/03/2014	11/03/2014	05/04/2015	11/04/2015	05/03/2016	12/27/2017	11/01/2002	07/01/2004	07/21/2011	11/25/2013	11/01/2002	07/01/2004	07/20/2011
Sample Type			N	N	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			--	< 10 U	< 10 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 52 U	--	< 4.8 U	--	--	--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 4.9 U
2-Nitroaniline			--	< 50 U	< 50 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 50 U	< 1.0 U	--	--	< 50 U	< 0.99 U
2-Nitrophenol			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
2-Picoline			--	< 10 U	< 10 U	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	--	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U
3,3-Dichlorobenzidine			--	< 20 U	< 20 U	--	--	--	< 960 U	< 190 U	< 200 U	< 21 U	< 210 U	--	< 19 U	--	--	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U
3,3-Dimethylbenzidine			--	< 20 U	< 20 U	--	--	--	< 960 U	< 190 U	< 200 U	< 21 U	< 210 U	--	< 19 U	--	--	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U
3-Methylchloranthrene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	--	--	--	< 96 U	< 19 U	--	--	--	--	--	--	--	--	--	--	< 2.0 U	--	--	--	< 2.0 U
3-Nitroaniline			--	< 50 U	< 50 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 52 U	--	< 4.8 U	--	--	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 4.9 U
4-Aminobiphenyl			--	< 10 U	< 10 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 52 U	--	< 4.8 U	--	--	--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 4.9 U
4-Bromophenyl phenyl ether			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
4-Chloro-3-Methylphenol			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
4-Chlorophenyl phenyl ether			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
4-Dimethylaminoazobenzene			--	< 10 U	< 10 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 52 U	--	< 4.8 U	--	--	--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 4.9 U
4-Methylphenol	**10**	10000	--	**36**	**38**	--	--	--	--	--	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	< 11 U	< 2.0 U	< 2.2 U	--	< 10 U	--	--	--	< 10 U	--
4-Nitroaniline			--	< 50 U	< 50 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 52 U	--	< 4.8 U	--	--	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 4.9 U
4-Nitrophenol			--	< 50 U	< 50 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 84 U	--	< 7.7 U	--	--	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 4.9 U
4-Nitroquinoline-N-Oxide			--	< 20 U	< 20 U	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	--	--	--	--	< 20 U	< 2.0 U	--	--	< 20 U	< 2.0 U
5-Nitro-o-Toluidine			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
7,12-Dimethylbenz(a)anthracene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 21 U	--	< 1.9 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Acenaphthene	2000	6100	< 10 U	< 10 U	< 10 U	--	--	--	< 9.6 U	6.2	< 2.0 U	1.7	3.4	--	2.4	3.4	2.2	1.3	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U
Acenaphthylene	10	10	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 U	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Acetophenone	4000	10000	--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	< 5.6 U	< 0.99 U	< 1.1 U	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Aniline	20	500	--	< 20 U	< 20 U	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	< 11 U	< 2.0 UF1	< 2.2 U	--	< 20 U	< 2.0 U	--	--	< 20 U	< 2.0 U
Anthracene	10	31000	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 UF1	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Aramite			--	< 10 U	< 10 U	--	--	--	< 72 U	< 14 U	< 15 U	< 1.6 U	< 21 U	--	< 1.9 U	--	--	--	--	< 10 U	< 1.5 U	--	--	< 10 U	< 1.5 U
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 U	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Benzo(a)pyrene	10	10	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 U	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Benzo(b)fluoranthene	10	10	--	--	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 U	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Benzo(g,h,i)perylene	10	10	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 UF1	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Benzo(k)fluoranthene	10	39	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 UF1	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Benzyl Alcohol			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
beta-Pinene			--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
bis(2-Chloroethyl)ether			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	1.2	< 10 U	--	< 0.97 U	< 5.6 U	< 0.99 U	< 1.1 U	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
bis(2-Ethylhexyl)phthalate	**10**	200	< 10 U	< 10 U	< 10 U	--	--	--	< 96 U	< 19 U	< 20 U	3.8	< 52 U	--	< 4.8 U	< 28 U	< 4.9 U	< 5.4 U	< 10 U	< 10 U	3.4 B	< 2.0 U	< 10 U	< 10 U	**25**
Butyl benzyl phthalate	100	15061	< 10 U	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	< 5.6 U	< 0.99 U	< 1.1 U	< 10 U	< 10 U	< 1.0 U	--	< 10 U	< 10 U	< 0.99 U
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	< 10 U	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 U	< 0.22 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U
Diallate			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Dibenzo(a,h)anthracene	10	10	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 UF1	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Dibenzofuran	**10**	10	--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	< 5.6 U	< 0.99 U	< 1.1 U	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Diethyl phthalate			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Dimethoate			--	--	--	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	--	--	--	--	--	< 2.0 U	--	--	--	< 2.0 U
Dimethyl phthalate			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Dimethylphenethylamine			--	< 2000 U	< 2000 U	--	--	--	< 480 U	< 95 U	< 99 U	< 10 U	< 100 U	--	< 9.7 U	--	--	--	--	< 2000 U	< 10 U	--	--	< 2000 U	< 9.9 U
Di-n-butyl phthalate			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Di-n-octyl phthalate	700	700	--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	< 5.6 U	< 0.99 U	< 1.1 U	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Dinoseb			--	< 10 U	< 10 U	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	--	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U
Diphenyl ether			< 10 U	--	--	--	--	--	--	--	--	--	--	--	270	--	--	--	< 10 U	--	--	--	< 10 U	--	--
Disulfoton			--	--	--	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	--	< 1.0 U	--	--	--	< 0.99 U
Ethyl Methanesulfonate			--	< 10 U	< 10 U	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	--	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U
Famphur			--	--	--	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	--	< 1.0 U	--	--	--	< 0.99 U
Fluoranthene	1000	4100	< 10 U	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 U	< 0.22 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U
Fluorene	1000	4100	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	0.42	0.11 J	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Formaldehyde	**1000**	20000	--	--	--	< 50 U	--	--	< 50 U	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Hexachlorobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Hexachlorocyclopentadiene			--	< 10 U	< 10 U	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	--	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U
Hexachloroethane			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Hexachlorophene			--	--	< 5000 U	--	--	--	< 24000 U	< 4800 U	< 4900 U	< 520 U	< 5200 U	--	< 480 U	--	--	--	--	< 5000 U	< 500 U	--	--	< 5000 U	< 490 U
Hexachloropropene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Indeno(1,2,3-cd)pyrene	10	10	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 U	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Isophorone			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Isosafrole			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Methapyrilene			--	< 2000 U	< 2000 U	--	--	--	< 9600 U	< 1900 U	< 2000 U	< 210 U	< 2100 U	--	< 190 U	--	--	--	--	< 2000 U	< 200 U	--	--	< 2000 U	< 200 U
Methyl methanesulfonate			--	< 10 U	< 10 U	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	--	--	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U
Methyl parathion			--	--	--	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	--	< 1.0 U	--	--	--	< 0.99 U
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4.0 U	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	18	12	**21**	--	**27**	3.6	**430**	**400**	**85**	< 0.21 U	**140**	--	**130**	**38**	**66**	4.5	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U
Nitrobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
N-Nitrosodiethylamine			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
N-Nitrosodimethylamine			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
N-Nitrosodi-n-butylamine	10	10	< 10 U	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	< 5.6 U	< 0.99 U	< 1.1 U	< 10 U	< 10 U	< 1.0 U	--	< 10 U	< 10 U	< 0.99 U
N-Nitrosodi-n-propylamine			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
N-Nitrosodiphenylamine			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
N-Nitrosomorpholine			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
N-Nitroso-N-methylethylamine	**10**	10	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	< 11 U	< 2.0 U	< 2.2 U	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 2.0 U
N-Nitrosopiperidine			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
N-Nitrosopyrrolidine			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
o,o,o-Triethyl phosphorothioate			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	--	< 1.0 U	--	--	--	< 0.99 U
o-Toluidine			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Parathion	200	610	--	--	--	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 21 U	--	< 1.9 U	< 11 U	< 2.0 U	< 2.2 U	--	--	< 2.0 U	--	--	--	< 2.0 U
p-Chloroaniline			--	< 20 U	< 20 U	--	--	--	< 96 U	< 19 U	< 20 U	< 2.1 U	< 42 U	--	< 3.9 U	--	--	--	--	< 20 U	< 2.0 U	--	--	< 20 U	< 2.0 U
Pentachlorobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Pentachloronitrobenzene			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Pentachlorophenol			--	< 50 U	< 50 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 52 U	--	< 4.8 U	--	--	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 4.9 U
Phenacetin			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Phenanthrene	**10**	10	--	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 U	< 0.22 U	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U
Phenol	**4**		--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	**12**	< 10 U	--	< 0.97 U	3.6 J	< 0.99 U	3.1	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Phorate			--	--	--	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	--	< 1.0 U	--	--	--	< 0.99 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-F21	MW-22	MW-22	MW-22	MW-22	MW-23	MW-23	MW-23
Sample ID			MW-F21_12/19/02_NM	MW-F21_1/22/04_NM	MW-28_7/3/04_NM	MW-F21_8/16/06_NM	MW-F21_7/30/08_NM	MW-F21_11/19/08_NM	MW-F21 (072111)	DUP-02 (072111)	MW-F21(11122013)	MW-F21 (052214)	MW-F21 (110314)	DUP-01 (110314)	MW-F21(05042015)	MW-F21 (110415)	MW-F21 (050316)	MW-F21 (122717)	MW-22_11/1/02_NM	MW-11_7/1/04_NM	MW-22 (072111)	MW-22(112513)	MW-23_11/1/02_NM	MW-9_7/1/04_NM	MW-23 (072011)
Sample Date			12/19/2002	01/22/2004	07/03/2004	08/16/2006	07/30/2008	11/19/2008	07/21/2011	07/21/2011	11/12/2013	05/22/2014	11/03/2014	11/03/2014	05/04/2015	11/04/2015	05/03/2016	12/27/2017	11/01/2002	07/01/2004	07/21/2011	11/25/2013	11/01/2002	07/01/2004	07/20/2011
Sample Type			N	N	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	< 2000 U	< 2000 U	--	--	--	< 9600 U	< 1900 U	< 2000 U	< 210 U	< 2100 U	--	< 190 U	--	--	--	--	< 2000 U	< 200 U	--	--	< 2000 U	< 200 U
Propyzamide			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Pyrene	1000	3100	< 10 U	< 10 U	< 10 U	--	--	--	< 9.6 U	< 1.9 U	< 2.0 U	< 0.21 U	< 2.1 U	--	< 0.19 U	< 1.1 U	< 0.20 U	< 0.22 U	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U
Pyridine			--	< 50 U	< 50 U	--	--	--	< 240 U	< 48 U	< 49 U	< 5.2 U	< 52 U	--	< 4.8 U	--	--	--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 4.9 U
Safrole			--	< 10 U	< 10 U	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	< 10 U	< 1.0 U	--	--	< 10 U	< 0.99 U
Sulfotep			--	--	--	--	--	--	< 48 U	< 9.5 U	< 9.9 U	< 1.0 U	< 10 U	--	< 0.97 U	--	--	--	--	--	< 1.0 U	--	--	--	< 0.99 U
Volatile Organic Compounds (µg/L)																									
1,1,1,2-Tetrachloroethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,1,1-Trichloroethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,1,2,2-Tetrachloroethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,1,2-Trichloroethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,1-Dichloroethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,1-Dichloroethene			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,2,3-Trichloropropane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,2,4-Trichlorobenzene			--	--	--	--	--	--	< 1.0 U	< 1.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--	--	--	< 1.0 U	--	--	--	< 1.0 U
1,2-Dibromo-3-chloropropane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,2-Dibromoethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,2-Dichlorobenzene			--	--	--	--	--	--	< 1.0 U	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	< 1.0 U
1,2-Dichloroethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,2-Dichloropropane	5	7.4	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
1,3-Dichlorobenzene			--	--	--	--	--	--	< 1.0 U	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	< 1.0 U
1,4-Dichlorobenzene			--	--	--	--	--	--	< 1.0 U	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	< 1.0 U
1,4-Dioxane	70	70	--	--	--	--	--	--	< 50 U	< 50 U	--	--	< 100 U	< 100 U	< 100 U	--	--	--	--	--	< 50 U	--	--	--	< 50 U
2-Butanone (MEK)	2000	12000	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 250 U	< 10 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U
2-Chlor-1,3-Butadiene			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
2-Chloroethyl vinyl ether			--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	10000	31000	< 200 U	< 40 U	< 40 U	--	--	--	< 40 U	< 40 U	< 40 U	< 40 U	< 50 U	< 50 U	< 50 U	< 50 U	< 250 U	< 50 U	< 200 U	< 40 U	< 40 U	--	< 200 U	< 40 U	< 40 U
4-Methyl-2-Pentanone	2000	4200	--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 10 U	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U
Acetone	4000	46000	< 50 U	< 25 U	< 25 U	--	--	--	< 25 U	< 25 U	< 25 U	< 25 U	18	20	16	< 10 U	60 J	< 10 U	< 50 U	< 25 U	< 25 U	--	< 50 U	< 25 U	< 25 U
Acetonitrile	200	200	--	< 40 U	< 40 U	--	--	--	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 100 U	< 40 U	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U
Acrolein	700	700	< 100 U	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 250 U	< 20 U	< 100 U	< 20 U	< 20 U	--	< 100 U	< 20 U	< 20 U
Acrylonitrile			--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	--	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U
Allyl chloride			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Benzene	**5**	8.7	**37**	**24**	**25**	**27**	--	--	**14**	**16**	**5.9**	**7.4**	< 1.0 U	< 1.0 U	1.3	3.1	1.5 J	1.8	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U
Bromodichloromethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Bromoform			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Bromomethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	--	< 1 U	< 1 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 5.0 U	< 2.0 U	--	< 1 U	< 2.0 U	--	--	< 1 U	< 2.0 U
Carbon Tetrachloride			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
CFC-11 (Trichlorofluoromethane)			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
CFC-12 (Dichlorodifluoromethane)			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Chlorobenzene	100	140	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Chlorodibromomethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Chloroethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Chloroform			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Chloromethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Dibromomethane			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Dichloromethane			--	< 5 U	< 5 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--	--	< 5 U	< 5.0 U	--	--	< 5 U	< 5.0 U
Ethyl Methacrylate	3000	3000	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	< 1.0 U	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Ethylbenzene	700	700	< 5 U	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	< 1 U	< 1 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	< 10 U	--	--	--	--	< 1 U	< 5.0 U	--	--	< 1 U	< 5.0 U
m&p-Xylenes			--	--	--	--	--	--	< 2.0 U	< 2.0 U	--	--	--	--	--	--	--	0.46 J	--	--	< 2.0 U	--	--	--	< 2.0 U
Methyl methacrylate			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Methyl N-Butyl Ketone (2-Hexanone)			--	< 10 U	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U
Methylacrylonitrile			--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	--	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U
Naphthalene	**20**	20	--	--	--	**110**	--	--	--	--	--	--	**130**	**150**	**110**	--	--	--	--	--	--	--	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	0.53 J	< 10 U	--	--	--	--	--	--	--	--
o-Xylene			--	--	--	--	--	--	< 1.0 U	< 1.0 U	--	--	--	--	--	0.38 J	< 5.0 U	< 1.0 U	--	--	< 1.0 U	--	--	--	< 1.0 U
Pentachloroethane			--	< 5 U	< 5 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--	--	< 5 U	< 5.0 U	--	--	< 5 U	< 5.0 U
Propionitrile			--	< 20 U	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	--	--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U
Styrene (Monomer)	100	2600	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Tetrachloroethene	5	98	--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Toluene	1000	5200	< 5 U	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U
Total Xylenes	**2**	10000	< 10 U	< 2 U	< 2 U	--	--	--	< 2.0 U	**2.2**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.0 U	0.91 J	< 15 U	0.46 J	< 10 U	< 2 U	< 2.0 U	--	< 10 U	< 2 U	< 2.0 U
trans-1,2-Dichloroethene			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
trans-1,3-Dichloropropene			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
trans-1,4-Dichloro-2-butene	2	2	--	< 2 U	< 2 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 25 U	< 2.0 U	--	< 2 U	< 2.0 U	--	--	< 2 U	< 2.0 U
Trichloroethene			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U
Vinyl acetate			--	< 2 U	< 2 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--	--	--	--	< 2 U	< 2.0 U	--	--	< 2 U	< 2.0 U
Vinyl chloride			--	< 1 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-23	MW-24	MW-24	MW-24	MW-24	MW-25	MW-25	MW-25	MW-25	MW-26	MW-26	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27
Sample ID			MW-23(112513)	MW-24_11/1/02_NM	MW-5_6/30/04_NM	MW-24 (072011)	MW-24(112613)	MW-25_11/1/02_NM	MW-13_7/1/04_NM	MW-25 (072011)	MW-25(112513)	MW-26_11/1/02_NM	MW-26 (072111)	MW-27_12/19/02_NM	MW-25_7/2/04_NM	MW-27_8/16/06_NM	MW-27_11/19/08_NM	DUP-1_11/19/08_DUP	MW-27 (072211)	MW-27(11122013)	MW-27 (052214)	MW-27 (110314)	MW-27(05042015)	MW-27 (110415)	MW-27 (050316)	MW-27 (122717)
Sample Date			11/25/2013	11/01/2002	06/30/2004	07/20/2011	11/26/2013	11/01/2002	07/01/2004	07/20/2011	11/25/2013	11/01/2002	07/21/2011	12/19/2002	07/02/2004	08/16/2006	11/19/2008	11/19/2008	07/22/2011	11/12/2013	05/22/2014	11/03/2014	05/04/2015	11/04/2015	05/03/2016	12/27/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																										
Ammonia Nitrogen			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Asbestos (MFL)																										
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																										
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH			--	--	--	--	--	--	--	--	--	5.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/L)																										
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																										
Antimony			--	< 20 U	< 6 U	--	--	< 20 U	< 6 U	--	--	--	--	< 20 U	< 6 U	--	--	--	--	--	--	--	--	--	--	--
Arsenic			--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	--	--	--	--
Barium			--	100	180	--	--	23	22	--	--	--	--	52	120	--	--	--	--	--	--	--	--	--	--	--
Beryllium			--	< 4 U	< 4 U	--	--	< 4 U	< 4 U	--	--	--	--	< 4 U	< 4 U	--	--	--	--	--	--	--	--	--	--	--
Cadmium			--	--	< 5 U	--	--	--	< 5 U	--	--	--	--	--	< 5 U	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	33	< 10 U	--	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	--	--	--	--
Cobalt			--	10	< 10 U	--	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	--	--	--	--
Copper			--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	--	--	< 20 U	< 20 U	--	--	--	--	--	--	--	--	--	--	--
Lead			--	13	< 5 U	--	--	< 5 U	< 5 U	--	--	--	--	< 5 U	< 5 U	--	--	--	--	--	--	--	--	--	--	--
Mercury			--	--	< 0.2 U	--	--	--	< 0.2 U	--	--	--	--	--	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--
Nickel			--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	--	--	--	< 40 U	< 40 U	--	--	--	--	--	--	--	--	--	--	--
Selenium			--	--	< 10 U	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	< 10 U	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	< 2 U	--	--	--	< 2 U	--	--	--	--	--	< 2 U	--	--	--	--	--	--	--	--	--	--	--
Tin			--	--	< 50 U	--	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	37	< 10 U	--	--	< 10 U	< 10 U	--	--	--	--	< 10 U	< 10 U	--	--	--	--	--	--	--	--	--	--	--
Zinc			--	220	< 20 U	--	--	< 20 U	< 20 U	--	--	--	--	42	< 20 U	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/L)																										
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/L)																										
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																										
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																										
1,1-Biphenyl	**10**	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	< 1.1 U	< 1.2 U	< 1.0 U
1,2,4,5-Tetrachlorobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
1,2,4-Trichlorobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
1,2-Dichlorobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
1,3,5-Trinitrobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
1,3-Dichlorobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
1,3-Dinitrobenzene	**10**	10	--	< 10 U	< 10 U	< 0.99 U	--	< 10 U	< 10 U	< 1.0 U	--	--	< 1.0 U	< 10 U	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	< 1.1 U	< 1.2 U	< 1.0 U
1,4-Dichlorobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
1,4-Dioxane	70	70	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 2.0 U	--	< 10 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	< 2.1 U	< 2.4 U	< 2.1 U
1,4-Naphthoquinone			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 10 U	< 9.8 U	--	--	--
1-Naphthylamine			--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 5.0 U	--	--	< 5.0 U	--	< 10 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 5.2 U	< 4.9 U	--	--	--
2,2-Oxybis(1-Chloropropane)			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
2,4,5-Trichlorophenol			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
2,4,6-Trichlorophenol			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
2,4-Dichlorophenol			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
2,4-Dimethylphenol	700	2000	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 2.0 U	--	< 10 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	< 2.1 U	< 2.4 U	< 2.1 U
2,4-Dinitrophenol			--	--	< 50 U	< 9.9 U	--	--	< 50 U	< 10 U	--	--	< 10 U	--	< 50 U	--	--	--	< 9.9 U	< 9.8 U	< 9.9 U	< 10 U	< 9.8 U	--	--	--
2,4-Dinitrotoluene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
2,6-Dichlorophenol			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
2,6-Dinitrotoluene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
2-Acetylaminofluorene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
2-Chloronaphthalene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
2-Chlorophenol			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
2-Methyl-4,6-dinitrophenol			--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 5.0 U	--	< 50 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 5.2 U	< 4.9 U	--	--	--
2-Methylnaphthalene			--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 UF	--	--	--
2-Methylphenol	10	5100	--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 2.0 U	--	< 10 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	< 2.1 U	< 2.4 U	< 2.1 U

Well ID	Type 1 RRS	Type 3/4 RRS	MW-23	MW-24	MW-24	MW-24	MW-24	MW-25	MW-25	MW-25	MW-25	MW-26	MW-26	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27
Sample ID			MW-23(112513)	MW-24_11/1/02_NM	MW-5_6/30/04_NM	MW-24 (072011)	MW-24(112613)	MW-25_11/1/02_NM	MW-13_7/1/04_NM	MW-25 (072011)	MW-25(112513)	MW-26_11/1/02_NM	MW-26 (072111)	MW-27_12/19/02_NM	MW-25_7/2/04_NM	MW-27_8/16/06_NM	MW-27_11/19/08_NM	DUP-1_11/19/08_DUP	MW-27 (072211)	MW-27(11122013)	MW-27 (052214)	MW-27 (110314)	MW-27(05042015)	MW-27 (110415)	MW-27 (050316)	MW-27 (122717)
Sample Date			11/25/2013	11/01/2002	06/30/2004	07/20/2011	11/26/2013	11/01/2002	07/01/2004	07/20/2011	11/25/2013	11/01/2002	07/21/2011	12/19/2002	07/02/2004	08/16/2006	11/19/2008	11/19/2008	07/22/2011	11/12/2013	05/22/2014	11/03/2014	05/04/2015	11/04/2015	05/03/2016	12/27/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 5.0 U	--	--	< 5.0 U	--	< 10 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 5.2 U	< 4.9 U	--	--	--
2-Nitroaniline			--	--	< 50 U	< 0.99 U	--	--	< 50 U	< 1.0 U	--	--	< 1.0 U	--	< 50 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
2-Nitrophenol			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
2-Picoline			--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 2.0 U	--	< 10 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	--	--	--
3,3-Dichlorobenzidine			--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 21 U	< 20 UF	--	--	--
3,3-Dimethylbenzidine			--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 21 U	< 20 U	--	--	--
3-Methylchloranthrene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	< 2.0 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
3-Nitroaniline			--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 5.0 U	--	< 50 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 5.2 U	< 4.9 U	--	--	--
4-Aminobiphenyl			--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 5.0 U	--	--	< 5.0 U	--	< 10 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 5.2 U	< 4.9 U	--	--	--
4-Bromophenyl phenyl ether			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
4-Chloro-3-Methylphenol			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
4-Chlorophenyl phenyl ether			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
4-Dimethylaminoazobenzene			--	--	< 10 U	< 5.0 U	--	--	< 10 U	< 5.0 U	--	--	< 5.0 U	--	< 10 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 5.2 U	< 4.9 U	--	--	--
4-Methylphenol	**10**	10000	--	--	< 10 U	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 UF	< 2.1 U	< 2.4 U	< 2.1 U
4-Nitroaniline			--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 5.0 U	--	< 50 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 5.2 U	< 4.9 U	--	--	--
4-Nitrophenol			--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 5.0 U	--	< 50 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 8.3 U	< 7.9 U	--	--	--
4-Nitroquinoline-N-Oxide			--	--	< 20 U	< 2.0 U	--	--	< 20 U	< 2.0 U	--	--	< 2.0 U	--	< 20 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	--	--	--
5-Nitro-o-Toluidine			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
7,12-Dimethylbenz(a)anthracene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 2.1 U	< 2.0 U	--	--	--
Acenaphthene	2000	6100	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	--	< 0.20 U	< 10 U	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Acenaphthylene	10	10	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Acetophenone	4000	10000	--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	< 1.1 U	< 1.2 U	< 1.0 U
Aniline	20	500	--	--	< 20 U	< 2.0 U	--	--	< 20 U	< 2.0 U	--	--	< 2.0 U	--	< 20 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	< 2.1 U	< 2.4 U	< 2.1 U
Anthracene	10	31000	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 UF	< 0.21 U	< 0.24 U	< 0.21 U
Aramite			--	--	< 10 U	< 1.5 U	--	--	< 10 U	< 1.5 U	--	--	< 1.5 U	--	< 10 U	--	--	--	< 1.5 U	< 1.5 U	< 1.5 U	< 2.1 U	< 2.0 U	--	--	--
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Benzo(a)pyrene	10	10	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 UF	< 0.21 U	< 0.24 U	< 0.21 U
Benzo(b)fluoranthene	10	10	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Benzo(g,h,i)perylene	10	10	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Benzo(k)fluoranthene	10	39	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Benzyl Alcohol			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
bis(2-Chloroethyl)ether			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	< 1.1 U	< 1.2 U	< 1.0 U
bis(2-Ethylhexyl)phthalate	**10**	200	< 2.0 U	< 10 U	< 10 U	**30**	< 2.0 U	< 10 U	< 10 U	**20**	< 2.0 U	--	< 2.0 U	< 10 U	< 10 U	--	--	--	< 2.0 U	< 2.0 U	6.1	< 5.2 U	< 4.9 U	< 5.3 U	< 6.0 U	< 5.2 U
Butyl benzyl phthalate	100	15061	--	< 10 U	< 10 U	< 0.99 U	--	< 10 U	< 10 U	< 1.0 U	--	--	< 1.0 U	< 10 U	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	< 1.1 U	< 1.2 U	< 1.0 U
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	--	< 0.20 U	< 10 U	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Diallate			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Dibenzo(a,h)anthracene	10	10	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 UF	< 0.21 U	< 0.24 U	< 0.21 U
Dibenzofuran	**10**	10	--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	< 1.1 U	< 1.2 U	< 1.0 U
Diethyl phthalate			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
Dimethoate			--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	< 2.0 U	--	--	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	--	--	--
Dimethyl phthalate			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
Dimethylphenethylamine			--	--	< 2000 U	< 9.9 U	--	--	< 2000 U	< 10 U	--	--	< 10 U	--	< 2000 U	--	--	--	< 9.9 U	< 9.8 U	< 9.9 U	< 10 U	< 9.8 U	--	--	--
Di-n-butyl phthalate			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
Di-n-octyl phthalate	700	700	--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	< 1.1 U	< 1.2 U	< 1.0 U
Dinoseb			--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 2.0 U	--	< 10 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	--	--	--
Diphenyl ether			--	< 10 U	--	--	--	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--	--	< 0.98 U	--	--	--
Disulfoton			--	--	--	< 0.99 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Ethyl Methanesulfonate			--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 2.0 U	--	< 10 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	--	--	--
Famphur			--	--	--	< 0.99 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Fluoranthene	1000	4100	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	--	< 0.20 U	< 10 U	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Fluorene	1000	4100	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 UF	< 0.21 U	< 0.24 U	< 0.21 U
Formaldehyde	**1000**	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	< 50 U	--
Hexachloro-1,3-butadiene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
Hexachlorobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
Hexachlorocyclopentadiene			--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 2.0 U	--	< 10 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 UF	--	--	--
Hexachloroethane			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 UF	--	--	--
Hexachlorophene			--	--	< 5000 U	< 500 U	--	--	< 5000 U	< 500 U	--	--	< 500 U	--	< 5000 U	--	--	--	< 500 U	< 490 U	< 490 U	< 520 U	< 490 U	--	--	--
Hexachloropropene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Indeno(1,2,3-cd)pyrene	10	10	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	0.33	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Isophorone			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Isosafrole			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Methapyrilene			--	--	< 2000 U	< 200 U	--	--	< 2000 U	< 200 U	--	--	< 200 U	--	< 2000 U	--	--	--	< 200 U	< 200 U	< 200 U	< 210 U	< 200 U	--	--	--
Methyl methanesulfonate			--	--	< 10 U	< 2.0 U	--	--	< 10 U	< 2.0 U	--	--	< 2.0 U	--	< 10 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	--	--	--
Methyl parathion			--	--	--	< 0.99 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4.8 U	--
Naphthalene	**20**	20	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	--	< 0.20 U	< 10 U	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 U	< 0.21 U	< 0.24 U	< 0.21 U
Nitrobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
N-Nitrosodiethylamine			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
N-Nitrosodimethylamine			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
N-Nitrosodi-n-butylamine	10	10	--	< 10 U	< 10 U	< 0.99 U	--	< 10 U	< 10 U	< 1.0 U	--	--	< 1.0 U	< 10 U	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	< 1.1 U	< 1.2 U	< 1.0 U
N-Nitrosodi-n-propylamine			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
N-Nitrosodiphenylamine			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
N-Nitrosomorpholine			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
N-Nitroso-N-methylethylamine	**10**	10	--	< 10 U	< 10 U	< 2.0 U	--	< 10 U	< 10 U	< 2.0 U	--	--	< 2.0 U	< 10 U	< 10 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	< 2.1 U	< 2.4 U	< 2.1 U
N-Nitrosopiperidine			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
N-Nitrosopyrrolidine			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	< 0.99 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
o-Toluidine			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Parathion	200	610	--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	< 2.0 U	--	--	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.1 U	< 2.0 U	< 2.1 U	< 2.4 U	< 2.1 U
p-Chloroaniline			--	--	< 20 U	< 2.0 U	--	--	< 20 U	< 2.0 U	--	--	< 2.0 U	--	< 20 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 4.1 U	< 3.9 U	--	--	--
Pentachlorobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Pentachloronitrobenzene			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Pentachlorophenol			--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 5.0 U	--	< 50 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 5.2 U	< 4.9 U	--	--	--
Phenacetin			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Phenanthrene	**10**	10	--	--	< 10 U	< 0.20 U	--	--	< 10 U	< 0.20 U	--	--	< 0.20 U	--	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 UF	< 0.21 U	< 0.24 U	< 0.21 U
Phenol	**4**		--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	< 1.1 U	< 1.2 U	< 1.0 U
Phorate			--	--	--	< 0.99 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-23	MW-24	MW-24	MW-24	MW-24	MW-25	MW-25	MW-25	MW-25	MW-26	MW-26	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27	MW-27
Sample ID			MW-23(112513)	MW-24_11/1/02_NM	MW-5_6/30/04_NM	MW-24 (072011)	MW-24(112613)	MW-25_11/1/02_NM	MW-13_7/1/04_NM	MW-25 (072011)	MW-25(112513)	MW-26_11/1/02_NM	MW-26 (072111)	MW-27_12/19/02_NM	MW-27_7/2/04_NM	MW-27_8/16/06_NM	MW-27_11/19/08_NM	DUP-1_11/19/08_DUP	MW-27 (072211)	MW-27(11122013)	MW-27 (052214)	MW-27 (110314)	MW-27(05042015)	MW-27 (110415)	MW-27 (050316)	MW-27 (122717)
Sample Date			11/25/2013	11/01/2002	06/30/2004	07/20/2011	11/26/2013	11/01/2002	07/01/2004	07/20/2011	11/25/2013	11/01/2002	07/21/2011	12/19/2002	07/02/2004	08/16/2006	11/19/2008	11/19/2008	07/22/2011	11/12/2013	05/22/2014	11/03/2014	05/04/2015	11/04/2015	05/03/2016	12/27/2017
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	< 2000 U	< 200 U	--	--	< 2000 U	< 200 U	--	--	< 200 U	--	< 2000 U	--	--	--	< 200 U	< 200 U	< 200 U	< 210 U	< 200 U	--	--	--
Propyzamide			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Pyrene	1000	3100	--	< 10 U	< 10 U	< 0.20 U	--	< 10 U	< 10 U	< 0.20 U	--	--	< 0.20 U	< 10 U	< 10 U	--	--	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.21 U	< 0.20 UF	< 0.21 U	< 0.24 U	< 0.21 U
Pyridine			--	--	< 50 U	< 5.0 U	--	--	< 50 U	< 5.0 U	--	--	< 5.0 U	--	< 50 U	--	--	--	< 5.0 U	< 4.9 U	< 4.9 U	< 5.2 U	< 4.9 U	--	--	--
Safrole			--	--	< 10 U	< 0.99 U	--	--	< 10 U	< 1.0 U	--	--	< 1.0 U	--	< 10 U	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Sulfotep			--	--	--	< 0.99 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 0.99 U	< 0.98 U	< 0.99 U	< 1.0 U	< 0.98 U	--	--	--
Volatile Organic Compounds (µg/L)																										
1,1,1,2-Tetrachloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1,1-Trichloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1,2,2-Tetrachloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1,2-Trichloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1-Dichloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,1-Dichloroethene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,2,3-Trichloropropane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	--	--	--
1,2,4-Trichlorobenzene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	< 5.0 U	< 5.0 U	--	--	--
1,2-Dibromo-3-chloropropane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	--	--	< 5.0 U	< 5.0 U	--	--	--
1,2-Dibromoethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	--	--	--
1,2-Dichlorobenzene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	--	--	--
1,2-Dichloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
1,2-Dichloropropane	5	7.4	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
1,3-Dichlorobenzene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	--	--	--
1,4-Dichlorobenzene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	--	--	--
1,4-Dioxane	70	70	--	--	--	< 50 U	--	--	--	< 50 U	--	--	< 50 U	--	--	--	--	--	< 50 U	--	--	< 100 U	< 100 U	--	--	--
2-Butanone (MEK)	2000	12000	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 250 U	< 10 U
2-Chlor-1,3-Butadiene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
2-Chloroethyl vinyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	10000	31000	--	< 200 U	< 40 U	< 40 U	--	< 200 U	< 40 U	< 40 U	--	--	< 40 U	< 200 U	< 40 U	--	--	--	< 40 U	< 40 U	< 40 U	< 50 U	< 50 U	< 50 U	< 250 U	< 50 U
4-Methyl-2-Pentanone	2000	4200	--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 10 U
Acetone	4000	46000	--	< 50 U	< 25 U	< 25 U	--	< 50 U	< 25 U	< 25 U	--	--	< 25 U	< 50 U	< 25 U	--	--	--	< 25 U	< 25 U	< 25 U	< 10 U	< 10 U	< 10 U	< 130 U	< 10 U
Acetonitrile	200	200	--	--	< 40 U	< 40 U	--	--	< 40 U	< 40 U	--	--	< 40 U	--	< 40 U	--	--	--	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 100 U	< 40 U
Acrolein	700	700	--	< 100 U	< 20 U	< 20 U	--	< 100 U	< 20 U	< 20 U	--	--	< 20 U	< 100 U	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 250 U	< 20 U
Acrylonitrile			--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	--	--
Allyl chloride			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Benzene	**5**	8.7	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U	--	--	< 1.0 U	< 5 U	< 1 U	< 1 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Bromodichloromethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Bromoform			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Bromomethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	--	--	< 1 U	< 2.0 U	--	--	< 1 U	< 2.0 U	--	--	< 2.0 U	--	< 1 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 5.0 U	< 2.0 U
Carbon Tetrachloride			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Chlorobenzene	100	140	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	6.7	7.3	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Chlorodibromomethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Chloroethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
Chloroform			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Chloromethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Dibromomethane			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Dichloromethane			--	--	< 5 U	< 5.0 U	--	--	< 5 U	< 5.0 U	--	--	< 5.0 U	--	< 5 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
Ethyl Methacrylate	3000	3000	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	< 1.0 U
Ethylbenzene	700	700	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U	--	--	< 1.0 U	< 5 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	--	--	--
Iodomethane			--	--	< 1 U	< 5.0 U	--	--	< 1 U	< 5.0 U	--	--	< 5.0 U	--	< 1 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 10 U	< 10 U	--	--	--
m&p-Xylenes			--	--	--	< 2.0 U	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U
Methyl methacrylate			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 2.0 U	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	< 10 U	< 10 U	--	--	< 10 U	< 10 U	--	--	< 10 U	--	< 10 U	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--
Methylacrylonitrile			--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	--	--
Naphthalene	**20**	20	--	--	--	--	--	--	--	--	--	--	--	--	--	< 5 U	--	--	--	--	--	< 5.0 U	< 5.0 U	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	< 10 U	--
o-Xylene			--	--	--	< 1.0 U	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	< 5.0 U	< 1.0 U
Pentachloroethane			--	--	< 5 U	< 5.0 U	--	--	< 5 U	< 5.0 U	--	--	< 5.0 U	--	< 5 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	--	--
Propionitrile			--	--	< 20 U	< 20 U	--	--	< 20 U	< 20 U	--	--	< 20 U	--	< 20 U	--	--	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	--	--	--
Styrene (Monomer)	100	2600	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Tetrachloroethene	5	98	--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	2.9	1.2	1.6	1.7	1.7	1.5	0.92 J	1.3
Toluene	1000	5200	--	< 5 U	< 1 U	< 1.0 U	--	< 5 U	< 1 U	< 1.0 U	--	--	< 1.0 U	< 5 U	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U
Total Xylenes	**2**	10000	--	< 10 U	< 2 U	< 2.0 U	--	< 10 U	< 2 U	< 2.0 U	--	--	< 2.0 U	< 10 U	< 2 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 1.0 U	< 1.0 U	< 15 U	< 1.0 U
trans-1,2-Dichloroethene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
trans-1,3-Dichloropropene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	--	--	< 1.0 U	< 1.0 U	--	--	--
trans-1,4-Dichloro-2-butene	2	2	--	--	< 2 U	< 2.0 U	--	--	< 2 U	< 2.0 U	--	--	< 2.0 U	--	< 2 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 25 U	< 2.0 U
Trichloroethene			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--
Vinyl acetate			--	--	< 2 U	< 2.0 U	--	--	< 2 U	< 2.0 U	--	--	< 2.0 U	--	< 2 U	--	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--	--	--
Vinyl chloride			--	--	< 1 U	< 1.0 U	--	--	< 1 U	< 1.0 U	--	--	< 1.0 U	--	< 1 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-27	MW-28	MW-28	MW-28	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-32	MW-32	TMW-5	TMW-5	TMW-6	TMW-6	TMW-7	TMW-7	TMW-7
Sample ID			DUP-01 (122717)	MW-28_12/19/02_NM	MW-16_7/1/04_NM	MW-28 (072111)	MW-29_11/19/08_NM	MW-29 (072111)	MW-29(11122013)	MW-29(112613)	MW-29 (052214)	DUP-1(05222014)	MW-29 (110314)	MW-29 (050515)	MW-29 (110315)	DUP-01(11032015)	MW-29 (050316)	MW-29 (122717)	MW-32_11/19/08_NM	MW-32 (072111)	TMW-5_6/6/00_NM	TMW-5_7/6/00_NM	TMW-6_6/6/00_NM	TMW-6_7/6/00_NM	TMW-7_6/5/00_NM	TMW-7_6/6/00_NM	TMW-7_7/6/00_NM
Sample Date			12/27/2017	12/19/2002	07/01/2004	07/21/2011	11/19/2008	07/21/2011	11/12/2013	11/26/2013	05/22/2014	05/22/2014	11/03/2014	05/05/2015	11/03/2015	11/03/2015	05/03/2016	12/27/2017	11/19/2008	07/21/2011	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/05/2000	06/06/2000	07/06/2000
Sample Type			FD	N	N	N	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																											
Ammonia Nitrogen			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Asbestos (MFL)																											
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6.7	--	< 1.34 U	--	--	--
General Chemistry (µg/L)																											
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 50 U	--	< 10 U	--	< 10 U	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/L)																											
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																											
Antimony			--	< 20 U	< 6 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic			--	< 10 U	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium			--	22	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium			--	< 4 U	< 4 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium			--	--	< 5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	< 10 U	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt			--	< 10 U	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper			--	< 20 U	< 20 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead			--	< 5 U	< 5 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	58	--	44	--	38	--	--
Mercury			--	--	< 0.2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel			--	< 40 U	< 40 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium			--	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	< 2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tin			--	--	< 50 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	< 10 U	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc			--	< 20 U	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/L)																											
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/L)																											
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																											
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																											
1,1-Biphenyl	**10**	10	< 1.1 U	--	--	--	--	--	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	< 1.1 U	--	< 1.2 U	< 1.1 U	--	--	--	--	--	--	--	--	--
1,2,4,5-Tetrachlorobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
1,3-Dinitrobenzene	**10**	10	< 1.1 U	< 10 U	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	< 1.1 U	--	< 1.2 U	< 1.1 U	--	< 0.99 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
1,4-Dioxane	70	70	< 2.1 U	--	< 10 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	< 2.2 U	--	< 2.4 U	< 2.1 U	--	< 2.0 U	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 9.6 U	< 11 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
1-Naphthylamine			--	--	< 10 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 4.8 U	< 5.7 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2,4,5-Trichlorophenol			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2,4-Dichlorophenol			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	700	2000	< 2.1 U	--	< 10 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	< 2.2 U	--	< 2.4 U	< 2.1 U	--	< 2.0 U	--	--	--	--	--	--	--
2,4-Dinitrophenol			--	--	< 50 U	< 9.9 U	--	< 9.9 U	< 9.7 U	--	< 9.9 U	--	< 9.6 U	< 11 U	--	--	--	--	--	< 9.9 U	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2,6-Dichlorophenol			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2-Acetylaminofluorene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2-Chloronaphthalene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2-Chlorophenol			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol			--	--	< 50 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 4.8 U	< 5.7 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
2-Methylnaphthalene			--	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	--	--	--	--	--	< 0.20 U	--	--	--	--	--	--	--
2-Methylphenol	10	5100	< 2.1 U	--	< 10 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	< 2.2 U	--	< 2.4 U	< 2.1 U	--	< 2.0 U	--	--	--	--	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-27	MW-28	MW-28	MW-28	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-32	MW-32	TMW-5	TMW-5	TMW-6	TMW-6	TMW-7	TMW-7	TMW-7
Sample ID			DUP-01 (122717)	MW-28_12/19/02_NM	MW-16_7/1/04_NM	MW-28 (072111)	MW-29_11/19/08_NM	MW-29 (072111)	MW-29(11122013)	MW-29(112613)	MW-29 (052214)	DUP-1(05222014)	MW-29 (110314)	MW-29 (050515)	MW-29 (110315)	DUP-01(11032015)	MW-29 (050316)	MW-29 (122717)	MW-32_11/19/08_NM	MW-32 (072111)	TMW-5_6/6/00_NM	TMW-5_7/6/00_NM	TMW-6_6/6/00_NM	TMW-6_7/6/00_NM	TMW-7_6/5/00_NM	TMW-7_7/6/00_NM	TMW-7_7/6/00_NM
Sample Date			12/27/2017	12/19/2002	07/01/2004	07/21/2011	11/19/2008	07/21/2011	11/12/2013	11/26/2013	05/22/2014	05/22/2014	11/03/2014	05/05/2015	11/03/2015	11/03/2015	05/03/2016	12/27/2017	11/19/2008	07/21/2011	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/05/2000	06/06/2000	07/06/2000
Sample Type			FD	N	N	N	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			--	--	< 10 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 4.8 U	< 5.7 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
2-Nitroaniline			--	--	< 50 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2-Nitrophenol			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
2-Picoline			--	--	< 10 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
3,3-Dichlorobenzidine			--	--	< 20 U	< 20 U	--	< 20 U	< 19 U	--	< 20 U	--	< 19 U	< 23 U	--	--	--	--	--	< 20 U	--	--	--	--	--	--	--
3,3-Dimethylbenzidine			--	--	< 20 U	< 20 U	--	< 20 U	< 19 U	--	< 20 U	--	< 19 U	< 23 U	--	--	--	--	--	< 20 U	--	--	--	--	--	--	--
3-Methylchloranthrene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	< 2.0 U	--	< 2.0 U	--	--	--	--	--	--	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
3-Nitroaniline			--	--	< 50 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 4.8 U	< 5.7 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
4-Aminobiphenyl			--	--	< 10 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 4.8 U	< 5.7 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene			--	--	< 10 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 4.8 U	< 5.7 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
4-Methylphenol	**10**	10000	< 2.1 U	--	< 10 U	--	--	--	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	< 2.2 U	--	< 2.4 U	< 2.1 U	--	--	--	--	--	--	--	--	--
4-Nitroaniline			--	--	< 50 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 4.8 U	< 5.7 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
4-Nitrophenol			--	--	< 50 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 7.6 U	< 9.2 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
4-Nitroquinoline-N-Oxide			--	--	< 20 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
5-Nitro-o-Toluidine			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 1.9 U	< 2.3 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Acenaphthene	2000	6100	< 0.21 U	< 10 U	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--
Acenaphthylene	10	10	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Acetophenone	4000	10000	< 1.1 U	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	< 1.1 U	--	< 1.2 U	< 1.1 U	--	< 0.99 U	--	--	--	--	--	--	--
Aniline	20	500	< 2.1 U	--	< 20 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	< 2.2 U	--	< 2.4 U	< 2.1 U	--	< 2.0 U	--	--	--	--	--	--	--
Anthracene	10	31000	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Aramite			--	--	< 10 U	< 1.5 U	--	< 1.5 U	< 1.5 U	--	< 1.5 U	--	< 1.9 U	< 2.3 U	--	--	--	--	--	< 1.5 U	--	--	--	--	--	--	--
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Benzo(a)pyrene	10	10	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Benzo(b)fluoranthene	10	10	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	10	10	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Benzo(k)fluoranthene	10	39	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Benzyl Alcohol			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether			< 1.1 U	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	< 1.1 U	--	< 1.2 U	< 1.1 U	--	< 0.99 U	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	**10**	200	< 5.3 U	< 10 U	< 10 U	< 2.0 U	--	3.7	< 1.9 U	< 2.0 U	< 2.0 U	--	< 4.8 U	< 5.7 U	2.2 J	--	< 6.0 U	< 5.4 U	--	< 2.0 U	--	--	--	--	--	--	--
Butyl benzyl phthalate	100	15061	< 1.1 U	< 10 U	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	< 1.1 U	--	< 1.2 U	< 1.1 U	--	< 0.99 U	--	--	--	--	--	--	--
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	< 0.21 U	< 10 U	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Diallate			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	10	10	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Dibenzofuran	**10**	10	< 1.1 U	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	< 1.1 U	--	< 1.2 U	< 1.1 U	--	< 0.99 U	--	--	--	--	--	--	--
Diethyl phthalate			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Dimethoate			--	--	--	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
Dimethyl phthalate			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Dimethylphenethylamine			--	--	< 2000 U	< 9.9 U	--	< 9.9 U	< 9.7 U	--	< 9.9 U	--	< 9.6 U	< 11 U	--	--	--	--	--	< 9.9 U	--	--	--	--	--	--	--
Di-n-butyl phthalate			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Di-n-octyl phthalate	700	700	< 1.1 U	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	< 1.1 U	--	< 1.2 U	< 1.1 U	--	< 0.99 U	--	--	--	--	--	--	--
Dinoseb			--	--	< 10 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
Diphenyl ether			--	< 10 U	--	--	--	--	--	--	--	--	--	< 1.1 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Disulfoton			--	--	--	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Ethyl Methanesulfonate			--	--	< 10 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
Famphur			--	--	--	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Fluoranthene	1000	4100	< 0.21 U	< 10 U	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Fluorene	1000	4100	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--
Formaldehyde	**1000**	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Hexachlorobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Hexachlorocyclopentadiene			--	--	< 10 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
Hexachloroethane			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Hexachlorophene			--	--	< 5000 U	< 500 U	--	< 500 U	< 480 U	--	< 500 U	--	< 480 U	< 570 U	--	--	--	--	--	< 500 U	--	--	--	--	--	--	--
Hexachloropropene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	10	10	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	0.31	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Isophorone			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Isosafrole			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Methapyrilene			--	--	< 2000 U	< 200 U	--	< 200 U	< 190 U	--	< 200 U	--	< 190 U	< 230 U	--	--	--	--	--	< 200 U	--	--	--	--	--	--	--
Methyl methanesulfonate			--	--	< 10 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
Methyl parathion			--	--	--	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4.8 U	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	< 0.21 U	< 10 U	< 10 U	< 0.20 U	0.043 J	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Nitrobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
N-Nitrosodiethylamine			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
N-Nitrosodimethylamine			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
N-Nitrosodi-n-butylamine	10	10	< 1.1 U	< 10 U	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	< 1.1 U	--	< 1.2 U	< 1.1 U	--	< 0.99 U	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
N-Nitrosodiphenylamine			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
N-Nitrosomorpholine			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
N-Nitroso-N-methylethylamine	**10**	10	< 2.1 U	< 10 U	< 10 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	< 2.2 U	--	< 2.4 U	< 2.1 U	--	< 2.0 U	--	--	--	--	--	--	--
N-Nitrosopiperidine			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
N-Nitrosopyrrolidine			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
o-Toluidine			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Parathion	200	610	< 2.1 U	--	--	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 1.9 U	< 2.3 U	< 2.2 U	--	< 2.4 U	< 2.1 U	--	< 2.0 U	--	--	--	--	--	--	--
p-Chloroaniline			--	--	< 20 U	< 2.0 U	--	< 2.0 U	< 1.9 U	--	< 2.0 U	--	< 3.8 U	< 4.6 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
Pentachlorobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Pentachloronitrobenzene			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Pentachlorophenol			--	--	< 50 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 4.8 U	< 5.7 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
Phenacetin			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Phenanthrene	**10**	10	< 0.21 U	--	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	< 0.19 U	< 0.20 U	--	--	--	--	--	--	--
Phenol	**4**		< 1.1 U	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	< 1.1 U	--	< 1.2 U	< 1.1 U	--	< 0.99 U	--	--	--	--	--	--	--
Phorate			--	--	--	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-27	MW-28	MW-28	MW-28	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-29	MW-32	MW-32	TMW-5	TMW-5	TMW-6	TMW-6	TMW-7	TMW-7	TMW-7
Sample ID			DUP-01 (122717)	MW-28_12/19/02_NM	MW-16_7/1/04_NM	MW-28 (072111)	MW-29_11/19/08_NM	MW-29 (072111)	MW-29(11122013)	MW-29(112613)	MW-29 (052214)	DUP-1(05222014)	MW-29 (110314)	MW-29 (050515)	MW-29 (110315)	DUP-01(11032015)	MW-29 (050316)	MW-29 (122717)	MW-32_11/19/08_NM	MW-32 (072111)	TMW-5_6/6/00_NM	TMW-5_7/6/00_NM	TMW-6_6/6/00_NM	TMW-6_7/6/00_NM	TMW-7_6/5/00_NM	TMW-7_7/6/00_NM	TMW-7_7/6/00_NM
Sample Date			12/27/2017	12/19/2002	07/01/2004	07/21/2011	11/19/2008	07/21/2011	11/12/2013	11/26/2013	05/22/2014	05/22/2014	11/03/2014	05/05/2015	11/03/2015	11/03/2015	05/03/2016	12/27/2017	11/19/2008	07/21/2011	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/05/2000	06/06/2000	07/06/2000
Sample Type			FD	N	N	N	N	N	N	N	N	FD	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	< 2000 U	< 200 U	--	< 200 U	< 190 U	--	< 200 U	--	< 190 U	< 230 U	--	--	--	--	--	< 200 U	--	--	--	--	--	--	--
Propyzamide			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Pyrene	1000	3100	< 0.21 U	< 10 U	< 10 U	< 0.20 U	--	< 0.20 U	< 0.19 U	--	< 0.20 U	--	< 0.19 U	< 0.23 U	< 0.22 U	--	< 0.24 U	< 0.21 U	--	< 0.20 U	--	--	--	--	--	--	--
Pyridine			--	--	< 50 U	< 5.0 U	--	< 5.0 U	< 4.8 U	--	< 5.0 U	--	< 4.8 U	< 5.7 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
Safrole			--	--	< 10 U	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Sulfotep			--	--	--	< 0.99 U	--	< 0.99 U	< 0.97 U	--	< 0.99 U	--	< 0.96 U	< 1.1 U	--	--	--	--	--	< 0.99 U	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/L)																											
1,1,1,2-Tetrachloroethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,1,1-Trichloroethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,1,2-Trichloroethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,1-Dichloroethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,1-Dichloroethene			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,2,3-Trichloropropane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	--	--	--	--	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	< 1.0 U	--	< 1.0 U	--	--	--	--	< 5.0 U	< 5.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	--	--	--	--	< 5.0 U	< 5.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,2-Dibromoethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	--	--	--	--	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	< 1.0 U	--	< 1.0 U	--	--	--	--	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,2-Dichloroethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,2-Dichloropropane	5	7.4	< 1.0 U	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1.0 U	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	< 1.0 U	--	< 1.0 U	--	--	--	--	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	< 1.0 U	--	< 1.0 U	--	--	--	--	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
1,4-Dioxane	70	70	--	--	--	< 50 U	--	< 50 U	--	--	--	--	< 100 U	< 100 U	--	--	--	--	--	< 50 U	--	--	--	--	--	--	--
2-Butanone (MEK)	2000	12000	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 UH	< 10 U	< 10 U	< 10 U	< 10 U	< 250 U	< 10 U	--	< 10 U	--	--	--	--	--	--	--
2-Chlor-1,3-Butadiene			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
2-Chloroethyl vinyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	10000	31000	< 50 U	< 200 U	< 40 U	< 40 U	--	< 40 U	< 40 U	--	< 40 U	< 40 UH	< 50 U	< 50 U	< 50 U	< 50 U	< 250 U	< 50 U	--	< 40 U	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	2000	4200	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 UH	< 10 U	< 10 U	< 10 U	< 10 U	< 50 U	< 10 U	--	< 10 U	--	--	--	--	--	--	--
Acetone	4000	46000	< 10 U	< 50 U	< 25 U	< 25 U	--	< 25 U	< 25 U	--	< 25 U	< 25 UH	< 10 U	< 10 U	< 10 U	< 10 U	< 130 U	< 10 U	--	< 25 U	--	--	--	--	--	--	--
Acetonitrile	200	200	< 40 U	--	< 40 U	< 40 U	--	< 40 U	< 40 U	--	< 40 U	< 40 UH	< 40 U	< 40 U	< 40 U	< 40 U	< 100 U	< 40 U	--	< 40 U	--	--	--	--	--	--	--
Acrolein	700	700	< 20 U	< 100 U	< 20 U	< 20 U	--	< 20 U	< 20 U	--	< 20 U	< 20 UH	< 20 U	< 20 U	< 20 U	< 20 U	< 250 U	< 20 U	--	< 20 U	--	--	--	--	--	< 20 U	--
Acrylonitrile			--	--	< 20 U	< 20 U	--	< 20 U	< 20 U	--	< 20 U	< 20 UH	< 20 U	< 20 U	--	--	--	--	--	< 20 U	--	--	--	--	--	--	--
Allyl chloride			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Benzene	**5**	8.7	< 1.0 U	< 5 U	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1.0 U	< 5 U	--	< 5 U	--	--	--	--
Bromodichloromethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Bromoform			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Bromomethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 5.0 U	--	< 5.0 U	< 5.0 UH	< 5.0 U	< 5.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	< 2.0 U	--	< 1 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 UH	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 5.0 U	< 2.0 U	--	< 2.0 U	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Chlorobenzene	100	140	< 1.0 U	--	< 1 U	< 1.0 U	--	1.1	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1.0 U	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Chloroethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 5.0 U	--	< 5.0 U	< 5.0 UH	< 5.0 U	< 5.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Chloroform			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Chloromethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Dibromomethane			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Dichloromethane			--	--	< 5 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 UH	< 5.0 U	< 5.0 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
Ethyl Methacrylate	3000	3000	< 1.0 U	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 50 U	< 1.0 U	--	< 1.0 U	--	--	--	--	--	--	--
Ethylbenzene	700	700	< 1.0 U	< 5 U	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1.0 U	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	--	< 1 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 UH	< 10 U	< 10 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
m&p-Xylenes			< 1.0 U	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 2.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	< 10 U	< 10 U	--	< 10 U	< 10 U	--	< 10 U	< 10 UH	< 10 U	< 10 U	--	--	--	--	--	< 10 U	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	< 20 U	< 20 U	--	< 20 U	< 20 U	--	< 20 U	< 20 UH	< 20 U	< 20 U	--	--	--	--	--	< 20 U	--	--	--	--	--	--	--
Naphthalene	**20**	20	--	--	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 10 U	--	--	--	--	--	--	--	--	--	--
o-Xylene			< 1.0 U	--	--	--	--	< 1.0 U	--	--	--	--	--	--	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	< 5 U	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 UH	< 5.0 U	< 5.0 U	--	--	--	--	--	< 5.0 U	--	--	--	--	--	--	--
Propionitrile			--	--	< 20 U	< 20 U	--	< 20 U	< 20 U	--	< 20 U	< 20 UH	< 20 U	< 20 U	--	--	--	--	--	< 20 U	--	--	--	--	--	--	--
Styrene (Monomer)	100	2600	< 1.0 U	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1.0 U	--	--	--	--	--	--	--
Tetrachloroethene	5	98	1.3	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1.0 U	--	--	--	--	--	--	--
Toluene	1000	5200	< 1.0 U	< 5 U	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 5.0 U	< 1.0 U	--	< 1.0 U	--	--	--	--	--	--	--
Total Xylenes	**2**	10000	< 1.0 U	< 10 U	< 2 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 UH	< 2.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 15 U	< 1.0 U	--	< 2.0 U	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	< 1 U	< 1.0 U	--	< 1.0 U	--	--	--	--	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	2	2	< 2.0 U	--	< 2 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 UH	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 25 U	< 2.0 U	--	< 2.0 U	--	--	--	--	--	--	--
Trichloroethene			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--
Vinyl acetate			--	--	< 2 U	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 UH	< 2.0 U	< 2.0 U	--	--	--	--	--	< 2.0 U	--	--	--	--	--	--	--
Vinyl chloride			--	--	< 1 U	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 UH	< 1.0 U	< 1.0 U	--	--	--	--	--	< 1.0 U	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	TMW-10	TMW-10	TMW-11	TMW-11	TMW-12	TMW-12	TMW-13	TMW-13	TMW-14	TMW-14	TMW-15	TMW-15	TMW-16	TMW-16	TMW-17	TMW-18	TMW-19	TMW-19	TMW-20	TMW-21	TMW-22	TMW-22	TMW-23	Well-1	Well-1	Well-1
Sample ID			TMW-10_6/6/00_NM	TMW-10_7/6/00_NM	TMW-11_6/6/00_NM	TMW-11_7/6/00_NM	TMW-12_6/6/00_NM	TMW-12_7/6/00_NM	TMW-13_6/6/00_NM	TMW-13_7/6/00_NM	TMW-14_6/6/00_NM	TMW-14_7/6/00_NM	TMW-15_6/6/00_NM	TMW-15_7/6/00_NM	TMW-16_6/6/00_NM	TMW-16_7/6/00_NM	TMW-17 HARD RESINS_6/6/00_NM	TMW-18 (122817)	TMW-19 (122817)	TMW-19 (02202018)	TMW-20 (12292017)	TMW-21 (013118)	TMW-22 (122817)	TMW-22 (051818)	TMW-23 (122817)	WELL-1_4/6/98_NM	WELL-1_7/7/98_NM	WELL-1_11/30/98_NM
Sample Date			06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	12/28/2017	12/28/2017	02/20/2018	12/29/2017	01/31/2018	12/28/2017	5/18/2018	12/28/2017	04/06/1998	07/07/1998	11/30/1998
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																												
Ammonia Nitrogen			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Asbestos (MFL)																												
Asbestos	7	7	--	--	--	< 6.7 U	--	--	--	--	--	--	--	--	--	< 1.34 U	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																												
Cyanide			< 10 U	--	< 10 U	--	< 50 U	--	< 10 U	--	< 10 U	--	< 10 U	--	< 10 U	--	--	--	--	--	--	--	--	--	--	--	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/L)																												
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		< 0.00001 UH	--	--	< 0.00001 U	--	--	--	--	--	--
Metals (µg/L)																												
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Arsenic			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Barium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beryllium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chromium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Cobalt			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Copper			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Lead			81	--	42	--	160	--	26	--	62	--	100	--	38	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Selenium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Silver			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Thallium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vanadium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Zinc			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Herbicides (µg/L)																												
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pesticides (µg/L)																												
4,4-DDD (Rhothane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Alpha-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Beta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlordane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzilate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Delta-BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dieldrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan I			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin aldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlor epoxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isodrin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kepone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methoxychlor			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-DDT			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Technical BHC			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toxaphene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (µg/L)																												
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																												
1,1-Biphenyl	**10**	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.0 U	--	--	< 1.0 UH	--	**1400**	**840**	--	--	--	--
1,2,4,5-Tetrachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	**10**	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	700	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Acetylaminofluorene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	10	5100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	TMW-10	TMW-10	TMW-11	TMW-11	TMW-12	TMW-12	TMW-13	TMW-13	TMW-14	TMW-14	TMW-15	TMW-15	TMW-16	TMW-16	TMW-17	TMW-18	TMW-19	TMW-19	TMW-20	TMW-21	TMW-22	TMW-22	TMW-23	Well-1	Well-1	Well-1
Sample ID			TMW-10_6/6/00_NM	TMW-10_7/6/00_NM	TMW-11_6/6/00_NM	TMW-11_7/6/00_NM	TMW-12_6/6/00_NM	TMW-12_7/6/00_NM	TMW-13_6/6/00_NM	TMW-13_7/6/00_NM	TMW-14_6/6/00_NM	TMW-14_7/6/00_NM	TMW-15_6/6/00_NM	TMW-15_7/6/00_NM	TMW-16_6/6/00_NM	TMW-16_7/6/00_NM	TMW-17 HARD RESINS_6/6/00_NM	TMW-18 (122817)	TMW-19 (122817)	TMW-19(02202018)	TMW-20 (12292017)	TMW-21 (013118)	TMW-22 (122817)	TMW-22 (051818)	TMW-23 (122817)	WELL-1_4/6/98_NM	WELL-1_7/7/98_NM	WELL-1_11/30/98_NM
Sample Date			06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	12/28/2017	12/28/2017	02/20/2018	12/29/2017	01/31/2018	12/28/2017	5/18/2018	12/28/2017	04/06/1998	07/07/1998	11/30/1998
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Aminobiphenyl			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	**10**	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Well ID	Type 1 RRS	Type 3/4 RRS	TMW-10	TMW-10	TMW-11	TMW-11	TMW-12	TMW-12	TMW-13	TMW-13	TMW-14	TMW-14	TMW-15	TMW-15	TMW-16	TMW-16	TMW-17	TMW-18	TMW-19	TMW-19	TMW-20	TMW-21	TMW-22	TMW-22	TMW-23	Well-1	Well-1	Well-1
Sample ID			TMW-10_6/6/00_NM	TMW-10_7/6/00_NM	TMW-11_6/6/00_NM	TMW-11_7/6/00_NM	TMW-12_6/6/00_NM	TMW-12_7/6/00_NM	TMW-13_6/6/00_NM	TMW-13_7/6/00_NM	TMW-14_6/6/00_NM	TMW-14_7/6/00_NM	TMW-15_6/6/00_NM	TMW-15_7/6/00_NM	TMW-16_6/6/00_NM	TMW-16_7/6/00_NM	TMW-17 HARD RESINS_6/6/00_NM	TMW-18 (122817)	TMW-19 (122817)	TMW-19 (02202018)	TMW-20 (12292017)	TMW-21 (013118)	TMW-22 (122817)	TMW-22 (051818)	TMW-23 (122817)	WELL-1_4/6/98_NM	WELL-1_7/7/98_NM	WELL-1_11/30/98_NM
Sample Date			06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	07/06/2000	06/06/2000	12/28/2017	12/28/2017	02/20/2018	12/29/2017	01/31/2018	12/28/2017	5/18/2018	12/28/2017	04/06/1998	07/07/1998	11/30/1998
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
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Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	100	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	3000	3000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Naphthalene	**20**	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	100	2600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	5	98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	5200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	**2**	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	Well-1	Well-1	Well-1	Well-1	Well-1	Well-1	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3
Sample ID			WELL-1_2/24/99_NM	WELL-1_6/11/99_NM	WELL-1_9/13/99_NM	WELL-1_11/5/99_NM	WELL-1_3/24/00_NM	WELL-1_5/17/00_NM	WELL-2_4/6/98_NM	WELL-2_7/7/98_NM	WELL-2_11/30/98_NM	WELL-2_2/24/99_NM	WELL-2_6/11/99_NM	WELL-2_9/13/99_NM	WELL-2_11/5/99_NM	WELL-2_3/24/00_NM	WELL-2_5/17/00_NM	WELL-3_4/6/98_NM	WELL-3_7/7/98_NM	WELL-3_11/30/98_NM	WELL-3_2/24/99_NM	WELL-3_6/11/99_NM	WELL-3_9/13/99_NM	WELL-3_11/5/99_NM	WELL-3_3/24/00_NM	WELL-3_5/17/00_NM
Sample Date			02/24/1999	06/11/1999	09/13/1999	11/05/1999	03/24/2000	05/17/2000	04/06/1998	07/07/1998	11/30/1998	02/24/1999	06/11/1999	09/13/1999	11/05/1999	03/24/2000	05/17/2000	04/06/1998	07/07/1998	11/30/1998	02/24/1999	06/11/1999	09/13/1999	11/05/1999	03/24/2000	05/17/2000
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Anions (µg/L)																										
Ammonia Nitrogen			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoride (F-, Anion)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrate/Nitrite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Asbestos (MFL)																										
Asbestos	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
General Chemistry (µg/L)																										
Cyanide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
pH			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residue, filterable			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Organic Carbon			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans (µg/L)																										
2,3,7,8-Tetrachlorodibenzo-p-dioxin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals (µg/L)																										
Antimony			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Beryllium			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Herbicides (µg/L)																										
2,4,5-T (Trichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-TP (Silvex)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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4,4-DDT (Dichlorodiphenyl-trichloroethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Total Petroleum Hydrocarbon (µg/L)																										
Diesel Range Organics			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Total Petroleum Hydrocarbon (TPH)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Semi-Volatile Organic Compounds (µg/L)																										
1,1-Biphenyl	**10**	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,3-Dinitrobenzene	**10**	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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2,4,5-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	700	2000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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2-Chlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	10	5100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	Well-1	Well-1	Well-1	Well-1	Well-1	Well-1	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3
Sample ID			WELL-1_2/24/99_NM	WELL-1_6/11/99_NM	WELL-1_9/13/99_NM	WELL-1_11/5/99_NM	WELL-1_3/24/00_NM	WELL-1_5/17/00_NM	WELL-2_4/6/98_NM	WELL-2_7/7/98_NM	WELL-2_11/30/98_NM	WELL-2_2/24/99_NM	WELL-2_6/11/99_NM	WELL-2_9/13/99_NM	WELL-2_11/5/99_NM	WELL-2_3/24/00_NM	WELL-2_5/17/00_NM	WELL-3_4/6/98_NM	WELL-3_7/7/98_NM	WELL-3_11/30/98_NM	WELL-3_2/24/99_NM	WELL-3_6/11/99_NM	WELL-3_9/13/99_NM	WELL-3_11/5/99_NM	WELL-3_3/24/00_NM	WELL-3_5/17/00_NM
Sample Date			02/24/1999	06/11/1999	09/13/1999	11/05/1999	03/24/2000	05/17/2000	04/06/1998	07/07/1998	11/30/1998	02/24/1999	06/11/1999	09/13/1999	11/05/1999	03/24/2000	05/17/2000	04/06/1998	07/07/1998	11/30/1998	02/24/1999	06/11/1999	09/13/1999	11/05/1999	03/24/2000	05/17/2000
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
2-Naphthylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylphenol, 4-Methylphenol	10	5100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Aminobiphenyl			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	**10**	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroquinoline-N-Oxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-Nitro-o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	2000	6100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	10	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	4000	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	20	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anthracene	10	31000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aramite			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Atrazine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzaldehyde			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	10	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	10	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	10	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	10	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	10	39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl Alcohol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	**10**	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzyl phthalate	100	15061	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Caprolactam			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbazole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	**10**	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diallate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	10	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	**10**	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	700	700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diphenyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Disulfoton			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	1000	4100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	1000	4100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Formaldehyde	**1000**	20000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	10	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Methapyrilene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methanesulfonate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl parathion			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylphenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-butylamine	10	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodi-n-propylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiphenylamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitroso-N-methylethylamine	**10**	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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N-Nitrosopyrrolidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	200	610	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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Pentachlorophenol			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	**10**	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	**4**		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Well ID	Type 1 RRS	Type 3/4 RRS	Well-1	Well-1	Well-1	Well-1	Well-1	Well-1	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-2	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3	Well-3
Sample ID			WELL-1_2/24/99_NM	WELL-1_6/11/99_NM	WELL-1_9/13/99_NM	WELL-1_11/5/99_NM	WELL-1_3/24/00_NM	WELL-1_5/17/00_NM	WELL-2_4/6/98_NM	WELL-2_7/7/98_NM	WELL-2_11/30/98_NM	WELL-2_2/24/99_NM	WELL-2_6/11/99_NM	WELL-2_9/13/99_NM	WELL-2_11/5/99_NM	WELL-2_3/24/00_NM	WELL-2_5/17/00_NM	WELL-3_4/6/98_NM	WELL-3_7/7/98_NM	WELL-3_11/30/98_NM	WELL-3_2/24/99_NM	WELL-3_6/11/99_NM	WELL-3_9/13/99_NM	WELL-3_11/5/99_NM	WELL-3_3/24/00_NM	WELL-3_5/17/00_NM
Sample Date			02/24/1999	06/11/1999	09/13/1999	11/05/1999	03/24/2000	05/17/2000	04/06/1998	07/07/1998	11/30/1998	02/24/1999	06/11/1999	09/13/1999	11/05/1999	03/24/2000	05/17/2000	04/06/1998	07/07/1998	11/30/1998	02/24/1999	06/11/1999	09/13/1999	11/05/1999	03/24/2000	05/17/2000
Sample Type			N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Pinene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	1000	3100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Volatile Organic Compounds (µg/L)																										
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1,1,1-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,1-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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1,2,4-Trichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromo-3-chloropropane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	5	7.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	2000	12000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlor-1,3-Butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloroethyl vinyl ether			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	10000	31000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	2000	4200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	4000	46000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	200	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrolein	700	700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Allyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	**5**	8.7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromoform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Dioxide			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	4000	4000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Tetrachloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-11 (Trichlorofluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CFC-12 (Dichlorodifluoromethane)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	100	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorodibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibromomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dichloromethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	3000	3000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	700	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Iodomethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
m&p-Xylenes			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl methacrylate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl N-Butyl Ketone (2-Hexanone)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylacrylonitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	**20**	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,p-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Xylene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloroethane			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propionitrile			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	100	2600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	5	98	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	5200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	**2**	10000	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichloro-2-butene	2	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl acetate			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl chloride			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
MFL = million fibers per liter
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	TMW-19	TMW-19	TMW-21	TMW-23
Sample ID			MW-F3R (052214)	MW-F3R (110314)	MW-F3R (050515)	MW-F3R (110415)	MW-F3R (050316)	MW-F3R (122817)	TMW-19 (122817)	TMW-19 (02202018)	TMW-21 (013118)	TMW-23 (122817)
Sample Date			05/22/2014	11/03/2014	05/05/2015	11/04/2015	05/03/2016	12/28/2017	12/28/2017	02/20/2018	01/31/2018	12/28/2017
Sample Type			N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
Polychlorinated Biphenyls (µg/L)												
2,3,3',4,5'-Pentachloro-1,1'-biphenyl			--	--	0.0000056 JB	--	--	--	--	--	--	--
2,3,4,4',5,6-Hexachloro-1,1'-biphenyl			--	--	< 0.00019 U	--	--	--	--	--	--	--
Aroclor 1016			< 1.0 U	< 0.96 U	< 0.99 U	--	--	--	--	--	--	--
Aroclor 1221			< 2.0 U	< 0.96 U	< 0.99 U	--	--	--	--	--	--	--
Aroclor 1232			< 1.0 U	< 0.96 U	< 0.99 U	--	--	--	--	--	--	--
Aroclor 1242			< 1.0 U	< 0.96 U	< 0.99 U	--	--	--	--	--	--	--
Aroclor 1248			< 1.0 U	< 0.96 U	< 0.99 U	--	--	--	--	--	--	--
Aroclor 1254	0.5	1.4	< 1.0 U	< 0.96 U	< 0.99 U	< 1.0 U	< 1.1 U	< 1.0 U	< 0.99 U	--	< 1.0 U	< 1.0 U
Aroclor 1260	0.5	1.4	< 1.0 U	< 0.96 U	< 0.99 U	< 1.0 U	< 1.1 U	< 1.0 U	--	--	--	--
Aroclor 1262			< 1.0 U	< 0.96 U	< 0.99 U	--	< 1.1 U	< 1.0 U	--	--	--	--
Aroclor 1268			< 1.0 U	< 0.96 U	< 0.99 U	--	< 1.1 U	< 1.0 U	--	--	--	--
Decachlorobiphenyl			--	--	< 0.00019 U	< 0.00021 U	0.0000022 J	< 0.0002 U	--	0.0000018 J	< 0.0002 U	--
PCB-1			--	--	0.0000052 J	0.0000088 J	0.0000061 J	0.0000078 J	--	0.0000021 J	0.000016 J	--
PCB-10			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-100			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-101			--	--	0.0000062 JB	--	--	--	--	--	--	--
PCB-102			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-103			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-104			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-105			< 0.00002 U	< 0.00002 U	0.0000032 J	< 0.000021 U	< 0.00002 U	< 0.00002 U	--	0.00011	0.000036	--
PCB-106			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-107			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-107/124			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.00001 J	0.0000040 J	--
PCB-109			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000018 J	0.0000059 J	--
PCB-11			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	0.000018 J	--
PCB-110			--	--	0.0000081 JB	--	--	--	--	--	--	--
PCB-110/115			--	--	--	0.0000043 JB	0.0000042 JB	0.0000065 J	--	0.00035 JB	0.00021 JB	--
PCB-111			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-112			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-113			--	--	0.0000062 JB	--	--	--	--	--	--	--
PCB-114			< 0.00002 U	< 0.00002 U	< 0.000019 U	< 0.000021 U	< 0.00002 U	< 0.00002 U	--	< 0.00002 U	< 0.00002 U	--
PCB-115			--	--	0.0000081 JB	--	--	--	--	--	--	--
PCB-116			--	--	< 0.00058 U	--	--	--	--	--	--	--
PCB-117			--	--	< 0.00058 U	--	--	--	--	--	--	--
PCB-118			< 0.00002 U	< 0.00002 U	0.0000069 JB	0.0000033 J	0.0000037 J	0.0000047 J	--	0.00028 B	0.000088 B	--
PCB-119			--	--	0.0000056 JB	--	--	--	--	--	--	--
PCB-12			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-12/13			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	< 0.00039 U	< 0.00039 U	--
PCB-120			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-121			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-122			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-123			< 0.00002 U	< 0.00002 U	< 0.000019 U	< 0.000021 U	< 0.00002 U	< 0.00002 U	--	0.0000038 J	< 0.00002 U	--
PCB-124			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-125			--	--	0.0000056 JB	--	--	--	--	--	--	--
PCB-126			< 0.00002 U	< 0.00002 U	< 0.000019 U	< 0.000021 U	< 0.00002 U	< 0.00002 U	--	< 0.00002 U	< 0.00002 U	--
PCB-127			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-128			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-128/162			--	--	--	< 0.00043 U	--	--	--	--	--	--
PCB-128/166			--	--	--	--	< 0.00041 U	< 0.00039 U	--	0.000057 J	0.000011 J	--
PCB-129			--	--	0.0000046 J	--	--	--	--	--	--	--
PCB-129/138/163			--	--	--	0.0000025 J	0.0000048 JB	0.0000060 J	--	0.00032 JB	0.000067 JB	--
PCB-13			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-130			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000021 J	0.0000048 J	--
PCB-131			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000043 J	< 0.0002 U	--
PCB-132			--	--	0.0000020 J	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000099 J	0.000028 J	--
PCB-133			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-134			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-134/143			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.000016 J	0.0000052 J	--
PCB-135			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-135/151			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.000064 J	0.000022 J	--
PCB-136			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.00003 J	0.000012 J	--
PCB-137			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000016 J	0.0000030 J	--
PCB-138			--	--	0.0000046 J	--	--	--	--	--	--	--
PCB-139			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-139/140			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.0000060 J	< 0.00039 U	--
PCB-14			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-140			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-141			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000044 J	0.000012 J	--
PCB-142			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-143			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-144			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000097 J	0.0000037 J	--
PCB-145			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-146			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000031 J	0.0000072 J	--
PCB-147			--	--	0.0000038 JB	--	--	--	--	--	--	--
PCB-147/149			--	--	--	0.0000026 J	0.0000031 JB	0.0000029 J	--	0.00017 JB	0.000055 JB	--
PCB-148			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-149			--	--	0.0000038 JB	--	--	--	--	--	--	--
PCB-15			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-150			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-151			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-152			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-153			--	--	0.0000027 JB	--	--	--	--	--	--	--
PCB-153/168			--	--	--	0.0000021 J	0.0000028 JB	0.0000037 J	--	0.00018 JB	0.000045 JB	--
PCB-154			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-155			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-156			< 0.00004 U	< 0.00004 U	< 0.000039 U	< 0.000043 U	< 0.000041 U	< 0.000039 U	--	0.000043	0.0000073 J	--
PCB-156/157			< 0.00004 U	--	--	--	--	--	--	--	--	--
PCB-157			< 0.00004 U	< 0.00004 U	< 0.000039 U	--	--	--	--	--	--	--
PCB-158			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000034 J	0.0000076 J	--
PCB-159			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-16			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	0.0000067 J	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	TMW-19	TMW-19	TMW-21	TMW-23
Sample ID			MW-F3R (052214)	MW-F3R (110314)	MW-F3R (050515)	MW-F3R (110415)	MW-F3R (050316)	MW-F3R (122817)	TMW-19 (122817)	TMW-19 (02202018)	TMW-21 (013118)	TMW-23 (122817)
Sample Date			05/22/2014	11/03/2014	05/05/2015	11/04/2015	05/03/2016	12/28/2017	12/28/2017	02/20/2018	01/31/2018	12/28/2017
Sample Type			N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
PCB-160			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-161			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-162			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-163			--	--	0.0000046 J	--	--	--	--	--	--	--
PCB-164			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000023 J	0.0000053 J	--
PCB-165			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-167			< 0.00002 U	< 0.00002 U	< 0.000019 U	< 0.000021 U	< 0.00002 U	< 0.00002 U	--	0.000012 J	0.0000024 J	--
PCB-168			--	--	0.0000027 JB	--	--	--	--	--	--	--
PCB-169			< 0.00002 U	< 0.00002 U	< 0.000019 U	< 0.000021 U	< 0.00002 U	< 0.00002 U	--	< 0.00002 U	0.00000057 J	--
PCB-17			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000047 J	0.0000046 J	--
PCB-170			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000027 JB	0.0000060 J	--
PCB-171			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-171/173			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.0000093 J	0.0000022 J	--
PCB-172			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000041 J	< 0.0002 U	--
PCB-173			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-174			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000024 JB	0.0000072 J	--
PCB-175			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-176			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000041 J	0.00000090 J	--
PCB-177			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000013 J	0.0000034 J	--
PCB-178			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000036 J	0.0000013 J	--
PCB-179			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000084 J	0.0000024 J	--
PCB-18			--	--	0.0000031 JB	--	--	--	--	--	--	--
PCB-18/30			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.0000061 J	0.000014 J	--
PCB-180			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-180/193			--	--	--	0.0000013 J	0.0000020 J	0.0000012 JB	--	0.000045 JB	0.000012 JB	--
PCB-181			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.00000064 J	< 0.0002 U	--
PCB-182			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-183			--	--	< 0.00019 U	< 0.00021 U	0.0000018 JB	0.0000013 JB	--	0.0000012 JB	0.0000046 JB	--
PCB-184			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-185			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000017 J	< 0.0002 U	--
PCB-186			--	--	0.0000059 JB	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-187			--	--	0.0000016 J	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000022 JB	0.0000067 J	--
PCB-188			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-189			< 0.00002 U	< 0.00002 U	< 0.000019 U	< 0.000021 U	< 0.00002 U	< 0.00002 U	--	0.0000014 J	< 0.00002 U	--
PCB-19			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	0.0000047 J	--
PCB-190			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000054 J	0.0000011 J	--
PCB-191			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000013 J	< 0.0002 U	--
PCB-192			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-193			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-194			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000063 J	0.0000019 JB	--
PCB-195			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000021 J	< 0.0002 U	--
PCB-196			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000034 J	< 0.0002 U	--
PCB-197			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-198			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-198/199			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.0000067 J	0.0000018 J	--
PCB-199			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-2			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000013 J	0.0000027 J	--
PCB-20			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-20/28			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.000014 J	0.0000089 J	--
PCB-200			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-201			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.00000085 J	< 0.0002 U	--
PCB-202			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000016 J	< 0.0002 U	--
PCB-203			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000045 J	< 0.0002 U	--
PCB-204			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-205			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-206			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000037 J	0.0000014 J	--
PCB-207			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-208			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000014 J	< 0.0002 U	--
PCB-21			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-21/33			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.0000079 J	0.0000063 J	--
PCB-22			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	0.0000045 J	--
PCB-23			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-24			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-25			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	0.0000032 J	--
PCB-26			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-26/29			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	< 0.00039 U	< 0.00039 U	--
PCB-27			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-28			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-29			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-3			--	--	0.0000014 J	< 0.00021 U	< 0.0002 U	0.0000025 J	--	0.0000018 J	0.0000040 J	--
PCB-30			--	--	0.0000031 JB	--	--	--	--	--	--	--
PCB-31			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000083 JB	0.000013 J	--
PCB-32			--	--	0.0000013 J	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000062 J	0.0000040 J	--
PCB-33			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-34			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-35			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-36			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-37			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-38			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-39			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-4			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-40			--	--	0.0000020 J	--	--	--	--	--	--	--
PCB-40/71			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.000023 JB	0.000016 J	--
PCB-41			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-42			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000083 J	0.0000069 J	--
PCB-43			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-44			--	--	0.000033 JB	--	--	--	--	--	--	--
PCB-44/47/65			--	--	--	0.0000092 JB	< 0.00061 U	0.000047 JB	--	0.00017 JB	0.00019 JB	--
PCB-45			--	--	0.000028 J	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	0.0000040 J	--
PCB-46			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000033 J	< 0.0002 U	--
PCB-47			--	--	0.000033 JB	--	--	--	--	--	--	--
PCB-48			--	--	0.0000013 J	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000030 J	0.0000039 J	--

Well ID	Type 1 RRS	Type 3/4 RRS	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	MW-F3R	TMW-19	TMW-19	TMW-21	TMW-23
Sample ID			MW-F3R (052214)	MW-F3R (110314)	MW-F3R (050515)	MW-F3R (110415)	MW-F3R (050316)	MW-F3R (122817)	TMW-19 (122817)	TMW-19 (02202018)	TMW-21 (013118)	TMW-23 (122817)
Sample Date			05/22/2014	11/03/2014	05/05/2015	11/04/2015	05/03/2016	12/28/2017	12/28/2017	02/20/2018	01/31/2018	12/28/2017
Sample Type			N	N	N	N	N	N	N	N	N	N
Aquifer			Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow	Shallow
PCB-49			--	--	0.0000033 J	--	--	--	--	--	--	--
PCB-49/69			--	--	--	< 0.00043 U	< 0.00041 U	0.0000018 J	--	0.000056 J	0.000038 J	--
PCB-5			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-50			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-50/53			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.000015 J	0.0000096 J	--
PCB-51			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	0.0000092 J	--	0.000025 JB	0.000015 J	--
PCB-52			--	--	0.0000057 J	0.0000029 J	0.0000047 JB	0.0000021 JB	--	0.00017 J	0.00028 B	--
PCB-53			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-54			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-55			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-56			--	--	0.0000034 J	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000012 J	0.000012 J	--
PCB-57			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-58			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-59			--	--	< 0.00058 U	--	--	--	--	--	--	--
PCB-59/62/75			--	--	--	< 0.00064 U	< 0.00061 U	< 0.00059 U	--	0.0000026 J	0.0000018 J	--
PCB-6			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-60			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	0.0000039 J	--
PCB-61			--	--	0.00001 J	--	--	--	--	--	--	--
PCB-61/70/74/76			--	--	--	< 0.00085 U	0.0000039 JB	0.0000022 JB	--	0.00012 JB	0.000096 J	--
PCB-62			--	--	< 0.00058 U	--	--	--	--	--	--	--
PCB-63			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-64			--	--	0.0000022 J	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000018 J	0.000027 J	--
PCB-65			--	--	0.000033 JB	--	--	--	--	--	--	--
PCB-66			--	--	0.0000057 J	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000049 JB	0.000024 J	--
PCB-67			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-68			--	--	0.0000070 J	< 0.00021 U	< 0.0002 U	0.0000026 J	--	0.0000063 JB	0.0000061 J	--
PCB-69			--	--	0.0000033 J	--	--	--	--	--	--	--
PCB-7			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-70			--	--	0.00001 J	--	--	--	--	--	--	--
PCB-71			--	--	0.0000020 J	--	--	--	--	--	--	--
PCB-72			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-73			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-74			--	--	0.00001 J	--	--	--	--	--	--	--
PCB-75			--	--	< 0.00058 U	--	--	--	--	--	--	--
PCB-76/66			--	--	0.00001 J	--	--	--	--	--	--	--
PCB-77			< 0.00002 U	< 0.00002 U	< 0.000019 U	< 0.000021 U	< 0.00002 U	< 0.00002 U	--	0.0000037 J	0.0000024 J	--
PCB-78			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-79			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-8			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-80			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-81			< 0.00002 U	< 0.00002 U	< 0.000019 U	< 0.000021 U	< 0.00002 U	< 0.00002 U	--	< 0.00002 U	< 0.00002 U	--
PCB-82			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000028 J	0.000018 J	--
PCB-83			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-84			--	--	0.0000018 J	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000076 J	0.000067 J	--
PCB-85			--	--	< 0.00058 U	--	--	--	--	--	--	--
PCB-85/116/117			--	--	--	< 0.00064 U	< 0.00061 U	< 0.00059 U	--	0.000045 J	0.000023 J	--
PCB-86			--	--	0.0000056 JB	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125			--	--	--	< 0.0013 U	< 0.0012 U	< 0.0012 U	--	0.00019 J	0.00011 J	--
PCB-87			--	--	0.0000056 JB	--	--	--	--	--	--	--
PCB-88			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-88/91			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	0.000038 J	0.000024 J	--
PCB-89			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-9			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-90			--	--	0.0000062 JB	--	--	--	--	--	--	--
PCB-90/101/113			--	--	--	0.0000036 J	0.0000046 J	< 0.00059 U	--	0.00029 JB	0.00016 JB	--
PCB-91			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-92			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.000056 J	0.000031 J	--
PCB-93			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-93/100			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	< 0.00039 U	< 0.00039 U	--
PCB-94			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	< 0.0002 U	< 0.0002 U	--
PCB-95			--	--	0.0000039 J	0.0000028 J	< 0.0002 U	0.0000030 J	--	0.00022 B	0.00022 B	--
PCB-96			--	--	< 0.00019 U	< 0.00021 U	< 0.0002 U	< 0.0002 U	--	0.0000018 J	0.0000018 J	--
PCB-97			--	--	0.0000056 JB	--	--	--	--	--	--	--
PCB-98			--	--	< 0.00039 U	--	--	--	--	--	--	--
PCB-98/102			--	--	--	< 0.00043 U	< 0.00041 U	< 0.00039 U	--	< 0.00039 U	0.0000047 J	--
PCB-99			--	--	0.0000027 J	0.0000015 J	< 0.0002 U	< 0.0002 U	--	0.00012 J	0.000053 J	--
Polychlorinated biphenyls	0.5	1.4	< 0.002 U	< 0.002 U	--	0.000045 J	0.000044 J	0.0001 J	--	0.004	0.0023	--
Toxicity Equivalent Quotient (µg/L)												
TEQ WHO2005 ND=0.5			--	--	--	--	--	--	0.00000027	--	--	--
TEQ WHO2005 ND=DL			--	--	--	--	--	1.40E-10	0.00000027	--	0.000000021	--
Total PCB TEQ			--	--	--	--	--	1.40E-10	--	--	0.000000021	--

Notes:
Bold = Concentration is greater than the laboratory detection limit
Shaded = Concentration exceeds the GA EPD Type 3/4 RRS
Acronyms and Abbreviations:
DUP = field duplicate
GA EPD = Georgia Environmental Protection Division
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
TEQ = toxicity equivalent quotient
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
H = Sample was analyzed outside of the hold time
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	SW-1	SW-1	SW-2	SW-2	SW-2	SW-3	SW-3	SW-4	SW-F2	SW-F3	SW-F4	SW-F5
Sample ID	SW-1_7/6/06_NM	SW-1(08282014)	SW-2_7/6/06_NM	SW-2(08282014)	DUP-01(08282014)	SW-3_7/6/06_NM	SW-3(08282014)	SW-4_7/6/06_NM	SW-F2_11/3/00_NM	SW-F3_11/2/00_NM	SW-F4_11/2/00_NM	SW-F5_11/2/00_NM
Sample Date	07/06/2006	08/28/2014	07/06/2006	08/28/2014	08/28/2014	07/06/2006	08/28/2014	07/06/2006	11/03/2000	11/02/2000	11/02/2000	11/02/2000
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Anions												
Ammonia Nitrogen (mg/L)	0.093	0.32	0.34	0.15	--	0.1	0.13	0.27	0.13	0.53	0.09	0.79
Chloride (mg/L)	--	--	--	--	--	--	--	--	39	65	89	400
Fluoride (F-, Anion) (mg/L)	--	0.16	--	0.43	--	--	0.53	--	0.61	0.69	0.66	0.58
Nitrate/Nitrite (µg/L)	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Sulfate (mg/L)	--	--	--	--	--	--	--	--	35	38	32	74
Sulfide (µg/L)	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U
General Chemistry												
Biological Oxygen Demand (mg/L)	8.5	--	110	--	--	7.4	--	8.1	--	--	--	--
Chemical Oxygen Demand (mg/L)	200	--	530	--	--	170	--	150	--	--	--	--
Cyanide (µg/L)	< 0.01 U	--	< 0.01 U	--	--	< 0.01 U	--	< 0.01 U	--	--	--	--
Residue, filterable (mg/L)	--	--	--	--	--	--	--	--	310	360	400	1100
Total Dissolved Solids (mg/L)	930	--	1700	--	--	800	--	720	--	--	--	--
Total Organic Carbon (mg/L)	--	--	--	--	--	--	--	--	5.5	6.2	5.7	5.8
Metals (µg/L)												
Antimony	< 2.5 U	--	< 2.5 U	--	--	< 2.5 U	--	< 2.5 U	< 20 U	< 20 U	< 20 U	< 20 U
Arsenic	0.55	--	1.1	--	--	0.74	--	0.97	< 10 U	< 10 U	< 10 U	< 10 U
Barium	--	--	--	--	--	--	--	--	28	28	28	27
Beryllium	< 0.5 U	--	< 0.5 U	--	--	< 0.5 U	--	< 0.5 U	< 4 U	< 4 U	< 4 U	< 4 U
Cadmium	< 0.5 U	--	< 0.5 U	--	--	< 0.5 U	--	< 0.5 U	< 5 U	< 5 U	< 5 U	< 5 U
Chromium	< 5 U	--	< 5 U	--	--	< 5 U	--	< 5 U	< 10 U	< 10 U	< 10 U	< 10 U
Chromium VI	< 0.01 U	--	< 0.01 U	--	--	< 0.01 U	--	< 0.01 U	--	--	--	--
Cobalt	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
Copper	< 5 U	--	< 5 U	--	--	< 5 U	--	< 5 U	< 20 U	< 20 U	< 20 U	< 20 U
Lead	< 1.5 U	--	< 1.5 U	--	--	< 1.5 U	--	0.16	< 5 U	< 5 U	< 5 U	< 5 U
Mercury	< 0.2 U	--	< 0.2 U	--	--	< 0.2 U	--	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U	< 0.2 U
Nickel	3.9	--	8	--	--	2.7	--	7.8	< 40 U	< 40 U	< 40 U	< 40 U
Selenium	< 2.5 U	--	< 2.5 U	--	--	< 2.5 U	--	< 2.5 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	< 1 U	--	< 1 U	--	--	< 1 U	--	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U
Thallium	< 1 U	--	< 1 U	--	--	< 1 U	--	< 1 U	< 10 U	< 10 U	< 10 U	< 10 U
Tin	--	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U
Vanadium	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
Zinc	< 20 U	--	< 20 U	--	--	< 20 U	--	< 20 U	23	< 27 U	< 25 U	< 26 U
Herbicides (µg/L)												
2,2-Dichloropropionic acid, Dalapon	< 10 U	--	< 9.7 U	--	--	< 9.8 U	--	< 9.7 U	--	--	--	--
2,4,5-T (Trichlorophenoxyacetic Acid)	< 0.5 U	--	< 0.49 U	--	--	< 0.49 U	--	< 0.49 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2,4,5-TP (Silvex)	< 0.5 U	--	< 0.49 U	--	--	< 0.49 U	--	< 0.49 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2,4-D (Dichlorophenoxyacetic Acid)	< 0.5 U	--	< 0.49 U	--	--	< 0.49 U	--	< 0.49 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
2,4-DB (Butanoic Acid)	< 0.5 U	--	< 0.49 U	--	--	< 0.49 U	--	< 0.49 U	--	--	--	--
2-Methyl-4-chlorophenoxyacetic Acid	< 120 U	--	< 120 U	--	--	< 120 U	--	< 120 U	--	--	--	--
Dicamba	< 1.2 U	--	< 1.2 U	--	--	< 1.2 U	--	< 1.2 U	--	--	--	--
Dichlorprop	< 0.5 U	--	< 0.49 U	--	--	< 0.49 U	--	< 0.49 U	--	--	--	--
Dinoseb	< 6 U	--	< 5.8 U	--	--	< 5.9 U	--	< 5.8 U	--	--	--	--
MCPP (Mecroprop)	< 120 U	--	< 120 U	--	--	< 120 U	--	< 120 U	--	--	--	--
Pesticides (µg/L)												
4,4-DDD (Rhothane)	--	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
4,4-DDE (Dichlorodiphenyl-dichloroethylene)	--	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
4,4-DDT (Dichlorodiphenyl-trichloroethane)	--	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Aldrin	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Alpha-BHC	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Beta-BHC	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Chlordane	--	--	--	--	--	--	--	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Chlorobenzilate	--	--	--	--	--	--	--	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Delta-BHC	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Dieldrin	--	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Endosulfan I	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Endosulfan II	--	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Endosulfan sulfate	--	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Endrin	--	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Endrin aldehyde	--	--	--	--	--	--	--	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
Heptachlor	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Heptachlor epoxide	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Isodrin	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Kepone	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U
Methoxychlor	--	--	--	--	--	--	--	--	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Technical BHC	--	--	--	--	--	--	--	--	< 0.05 U	< 0.05 U	< 0.05 U	< 0.05 U
Toxaphene	--	--	--	--	--	--	--	--	< 5 U	< 5 U	< 5 U	< 5 U
Pesticide PCBs (µg/L)												
4,4-DDD (Rhothane)	< 0.1 U	--	< 0.98 U	--	--	< 0.098 U	--	< 0.095 U	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethylene)	< 0.1 U	--	< 0.98 U	--	--	< 0.098 U	--	< 0.095 U	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane)	< 0.1 U	--	< 0.98 U	--	--	< 0.098 U	--	< 0.095 U	--	--	--	--
Aldrin	< 0.05 U	--	< 0.49 U	--	--	< 0.049 U	--	< 0.048 U	--	--	--	--
Alpha-BHC	< 0.05 U	--	< 0.49 U	--	--	< 0.049 U	--	< 0.048 U	--	--	--	--
Aroclor 1016	< 1 U	--	< 9.8 U	--	--	< 0.98 U	--	< 0.95 U	--	--	--	--
Aroclor 1221	< 2 U	--	< 20 U	--	--	< 2 U	--	< 1.9 U	--	--	--	--
Aroclor 1232	< 1 U	--	< 9.8 U	--	--	< 0.98 U	--	< 0.95 U	--	--	--	--
Aroclor 1242	< 1 U	--	< 9.8 U	--	--	< 0.98 U	--	< 0.95 U	--	--	--	--
Aroclor 1248	< 1 U	--	< 9.8 U	--	--	< 0.98 U	--	< 0.95 U	--	--	--	--
Aroclor 1254	< 1 U	--	< 9.8 U	--	--	< 0.98 U	--	< 0.95 U	--	--	--	--
Aroclor 1260	< 1 U	--	< 9.8 U	--	--	< 0.98 U	--	< 0.95 U	--	--	--	--
Beta-BHC	< 0.05 U	--	< 0.49 U	--	--	< 0.049 U	--	< 0.048 U	--	--	--	--
Chlordane	< 0.5 U	--	< 4.9 U	--	--	< 0.49 U	--	< 0.48 U	--	--	--	--
Delta-BHC	< 0.05 U	--	< 0.49 U	--	--	< 0.049 U	--	< 0.048 U	--	--	--	--
Dieldrin	< 0.1 U	--	< 0.98 U	--	--	< 0.098 U	--	< 0.095 U	--	--	--	--
Endosulfan I	< 0.05 U	--	< 0.49 U	--	--	< 0.049 U	--	< 0.048 U	--	--	--	--
Endosulfan II	< 0.1 U	--	< 0.98 U	--	--	< 0.098 U	--	< 0.095 U	--	--	--	--
Endosulfan sulfate	< 0.1 U	--	< 0.98 U	--	--	< 0.098 U	--	< 0.095 U	--	--	--	--
Endrin	< 0.1 U	--	< 0.98 U	--	--	< 0.098 U	--	< 0.095 U	--	--	--	--
Endrin aldehyde	< 0.1 U	--	< 0.98 U	--	--	< 0.098 U	--	< 0.095 U	--	--	--	--
Gamma-BHC	< 0.05 U	--	< 0.49 U	--	--	< 0.049 U	--	< 0.048 U	--	--	--	--
Heptachlor	< 0.05 U	--	< 0.49 U	--	--	< 0.049 U	--	< 0.048 U	--	--	--	--
Heptachlor epoxide	< 0.05 U	--	< 0.49 U	--	--	< 0.049 U	--	< 0.048 U	--	--	--	--
Methoxychlor	< 0.5 U	--	< 4.9 U	--	--	< 0.49 U	--	< 0.48 U	--	--	--	--
Toxaphene	< 5 U	--	< 49 U	--	--	< 4.9 U	--	< 4.8 U	--	--	--	--
Total Petroleum Hydrocarbon												
Diesel Range Organics (µg/L)	--	--	--	--	--	--	--	--	< 100 U	140	< 100 U	110
Gasoline Range Organics (µg/L)	--	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U
Oil & Grease (mg/L)	--	--	5.6	--	--	--	--	--	--	--	--	--
Oil & Grease (µg/L)	< 5 U	--	--	--	--	< 5 U	--	< 5 U	--	--	--	--
Total Petroleum Hydrocarbon (TPH) (µg/L)	< 5 U	--	< 5 U	--	--	< 5 U	--	< 5 U	--	--	--	--

Location ID	SW-1	SW-1	SW-2	SW-2	SW-2	SW-3	SW-3	SW-4	SW-F2	SW-F3	SW-F4	SW-F5
Sample ID	SW-1_7/6/06_NM	SW-1(08282014)	SW-2_7/6/06_NM	SW-2(08282014)	DUP-01(08282014)	SW-3_7/6/06_NM	SW-3(08282014)	SW-4_7/6/06_NM	SW-F2_11/3/00_NM	SW-F3_11/2/00_NM	SW-F4_11/2/00_NM	SW-F5_11/2/00_NM
Sample Date	07/06/2006	08/28/2014	07/06/2006	08/28/2014	08/28/2014	07/06/2006	08/28/2014	07/06/2006	11/03/2000	11/02/2000	11/02/2000	11/02/2000
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Semi-Volatile Organic Compounds (µg/L)												
1,1-Biphenyl	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
1,2,4,5-Tetrachlorobenzene	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
1,2,4-Trichlorobenzene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
1,2-Dichlorobenzene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
1,3,5-Trinitrobenzene	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
1,3-Dichlorobenzene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
1,3-Dihydro-2H-indol-2-one	--	--	71 NJ	--	--	--	--	45 NJ	--	--	--	--
1,3-Dinitrobenzene	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
1,4-Dichlorobenzene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
1,4-Dioxane	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 10 U	12	12	10
1,4-Naphthoquinone	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
1-Naphthylamine	--	< 4.9 U	--	< 4.9 U	--	--	< 5.1 U	--	< 10 U	< 10 U	< 10 U	< 10 U
2,2-Oxybis(1-Chloropropane)	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	--	--	--	--
2,3,4,6-Tetrachlorophenol	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
2,4,5-Trichlorophenol	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
2,4,6-Trichlorophenol	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dichlorophenol	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dimethylphenol	< 9.8 U	< 2.0 U	< 9.7 U	< 1.9 U	--	< 10 U	< 2.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
2,4-Dinitrophenol	< 9.8 U	< 9.8 U	< 9.7 U	< 9.7 U	--	< 10 U	< 10 U	< 9.8 U	< 50 U	< 50 U	< 50 U	< 50 U
2,4-Dinitrotoluene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
2,6-Dichlorophenol	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
2,6-Dinitrotoluene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Acetylaminofluorene	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
2-Chloronaphthalene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Chlorophenol	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Methyl-4,6-dinitrophenol	< 49 U	< 4.9 U	< 49 U	< 4.9 U	--	< 50 U	< 5.1 U	< 49 U	< 50 U	< 50 U	< 50 U	< 50 U
2-Methylnaphthalene	--	< 0.20 U	--	< 0.19 U	--	--	< 0.20 U	--	< 10 U	< 10 U	< 10 U	< 10 U
2-Methylphenol	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
2-Naphthylamine	--	< 4.9 U	--	< 4.9 U	--	--	< 5.1 U	--	< 10 U	< 10 U	< 10 U	< 10 U
2-Nitroaniline	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 50 U	< 50 U	< 50 U	< 50 U
2-Nitrophenol	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Picoline	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
3,3-Dichlorobenzidine	< 20 U	< 20 U	< 19 U	< 19 U	--	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
3,3-Dimethylbenzidine	--	< 20 U	--	< 19 U	--	--	< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U
3-Methylchloranthrene	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
3-Methylphenol, 4-Methylphenol	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
3-Nitroaniline	--	< 4.9 U	--	< 4.9 U	--	--	< 5.1 U	--	< 50 U	< 50 U	< 50 U	< 50 U
4-Aminobiphenyl	--	< 4.9 U	--	< 4.9 U	--	--	< 5.1 U	--	< 10 U	< 10 U	< 10 U	< 10 U
4-Bromophenyl phenyl ether	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Chloro-3-Methylphenol	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Chlorophenyl phenyl ether	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
4-Dimethylaminoazobenzene	--	< 4.9 U	--	< 4.9 U	--	--	< 5.1 U	--	< 10 U	< 10 U	< 10 U	< 10 U
4-Methylphenol	--	< 2.0 U	480	< 1.9 U	--	--	< 2.0 U	--	--	--	--	--
4-Nitroaniline	--	< 4.9 U	--	< 4.9 U	--	--	< 5.1 U	--	< 50 U	< 50 U	< 50 U	< 50 U
4-Nitrophenol	< 49 U	< 4.9 U	< 49 U	< 4.9 U	--	< 50 U	< 5.1 U	< 49 U	< 50 U	< 50 U	< 50 U	< 50 U
4-Nitroquinoline-N-Oxide	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 20 U	< 20 U	< 20 U	< 20 U
5-Nitro-o-Toluidine	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
7,10,13-Hexadecatrienoic acid, methyl ester	--	--	--	--	--	47 NJ	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Acenaphthene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Acenaphthylene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Acetophenone	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
alpha,alpha-Dimethylphenethylamine	--	--	--	--	--	--	--	--	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Aniline	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 20 U	< 20 U	< 20 U	< 20 U
Anthracene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Aramite	--	< 1.5 U	--	< 1.5 U	--	--	< 1.5 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Benzidine	< 78 U	--	< 78 U	--	--	< 80 U	--	< 78 U	--	--	--	--
Benzo(a)anthracene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzo(a)pyrene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzo(b)fluoranthene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzo(g,h,i)perylene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzo(k)fluoranthene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzyl Alcohol	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
beta-Pinene	--	--	--	--	--	--	--	--	< 100 U	< 100 U	< 100 U	< 100 U
bis(2-Chloroethoxy)methane	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
bis(2-Chloroethyl)ether	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
bis(2-Chloroisopropyl)ether	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
bis(2-Ethylhexyl)phthalate	< 9.8 U	< 2.0 U	< 9.7 U	< 1.9 U	--	< 10 U	< 2.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Butyl benzyl phthalate	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Caprolactam	--	--	--	--	--	--	--	5.9 NJ	--	--	--	--
Chrysene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Diallate	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Dibenzo(a,h)anthracene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Dibenzofuran	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Diethyl phthalate	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Dimethoate	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Dimethyl phthalate	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Dimethylphenethylamine	--	< 9.8 U	--	< 9.7 U	--	--	< 10 U	--	--	--	--	--
Di-n-butyl phthalate	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Di-n-octyl phthalate	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Dinoseb	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Diphenyl ether	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
Disulfoton	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Ethyl Methanesulfonate	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Famphur	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Fluoranthene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Fluorene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Formaldehyde	--	--	--	--	--	--	--	--	< 50 U	< 50 U	< 50 U	< 50 U
Hexachloro-1,3-butadiene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Hexachlorobenzene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Hexachlorocyclopentadiene	< 9.8 U	< 2.0 U	< 9.7 U	< 1.9 U	--	< 10 U	< 2.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Hexachloroethane	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Hexachlorophene	--	< 490 U	--	< 490 U	--	--	< 510 U	--	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Hexachloropropene	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Hexadecanoic Acid	--	--	--	--	--	--	--	6.6 NJ	--	--	--	--
Indeno(1,2,3-cd)pyrene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Isophorone	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Isosafrole	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Methapyrilene	--	< 200 U	--	< 190 U	--	--	< 200 U	--	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Methyl methanesulfonate	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Methyl parathion	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U

Location ID	SW-1	SW-1	SW-2	SW-2	SW-2	SW-3	SW-3	SW-4	SW-F2	SW-F3	SW-F4	SW-F5
Sample ID	SW-1_7/6/06_NM	SW-1(08282014)	SW-2_7/6/06_NM	SW-2(08282014)	DUP-01(08282014)	SW-3_7/6/06_NM	SW-3(08282014)	SW-4_7/6/06_NM	SW-F2_11/3/00_NM	SW-F3_11/2/00_NM	SW-F4_11/2/00_NM	SW-F5_11/2/00_NM
Sample Date	07/06/2006	08/28/2014	07/06/2006	08/28/2014	08/28/2014	07/06/2006	08/28/2014	07/06/2006	11/03/2000	11/02/2000	11/02/2000	11/02/2000
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Naphthalene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Nitrobenzene	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosodiethylamine	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosodimethylamine	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosodi-n-butylamine	--	< 0.98 U	--	7.8	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosodi-n-propylamine	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosodiphenylamine	< 9.8 U	< 0.98 U	< 9.7 U	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosomorpholine	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitroso-N-methylethylamine	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosopiperidine	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosopyrrolidine	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
o,o,o-Triethyl phosphorothioate	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	--	--	--	--
o,o,o-Trimethyl thiophosphate	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 10 U	< 10 U
o,o-Diethyl o-pyrazinyl phosphorothioate	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
o-Toluidine	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Parathion	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
p-Chloroaniline	--	< 2.0 U	--	< 1.9 U	--	--	< 2.0 U	--	< 20 U	< 20 U	< 20 U	< 20 U
Pentachlorobenzene	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Pentachloronitrobenzene	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Pentachlorophenol	< 49 U	< 4.9 U	< 49 U	< 4.9 U	--	< 50 U	< 5.1 U	< 49 U	< 50 U	< 50 U	< 50 U	< 50 U
Phenacetin	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Phenanthrene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Phenol	< 9.8 U	< 0.98 U	120	< 0.97 U	--	< 10 U	< 1.0 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Phorate	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Pinene	--	--	--	--	--	--	--	--	< 100 U	< 100 U	< 100 U	< 100 U
p-Phenylenediamine	--	< 200 U	--	< 190 U	--	--	< 200 U	--	< 2000 U	< 2000 U	< 2000 U	< 2000 U
Propyzamide	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Pyrene	< 9.8 U	< 0.20 U	< 9.7 U	< 0.19 U	--	< 10 U	< 0.20 U	< 9.8 U	< 10 U	< 10 U	< 10 U	< 10 U
Pyridine	--	< 4.9 U	--	< 4.9 U	--	--	< 5.1 U	--	< 50 U	< 50 U	< 50 U	< 50 U
Safrole	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Sulfotep	--	< 0.98 U	--	< 0.97 U	--	--	< 1.0 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Tetradecanoic acid, hexadecyl ester	--	--	110 NJ	--	--	--	--	--	--	--	--	--
Unknown	--	--	11 J	--	--	--	--	--	--	--	--	--
Unknown	--	--	39 J	--	--	15 J	--	--	--	--	--	--
Unknown	18 J	--	67 J	--	--	11 J	--	--	--	--	--	--
Unknown	18 J	--	27 J	--	--	30 J	--	--	--	--	--	--
Unknown	25 J	--	63 J	--	--	--	--	--	--	--	--	--
Unknown alkane	--	--	--	--	--	--	--	6.2 J	--	--	--	--
Unknown alkene	--	--	--	--	--	--	--	6.8 J	--	--	--	--
Unknown C7H10O	--	--	9.4 J	--	--	--	--	--	--	--	--	--
Unknown Substituted Benzene	17 J	--	28 J	--	--	--	--	20 J	--	--	--	--
Unknown Substituted Benzene	19 J	--	37 J	--	--	--	--	--	--	--	--	--
Unknown Substituted Benzene	61 J	--	62 J	--	--	--	--	--	--	--	--	--
Unknown Substituted Benzene	--	--	100 J	--	--	--	--	--	--	--	--	--
Unknown Substituted PAH	--	--	--	--	--	9.5 J	--	5 J	--	--	--	--
Unknown Substituted PAH	--	--	--	--	--	12 J	--	--	--	--	--	--
Unknown_VOC	23 J	--	33 J	--	--	--	--	35 J	--	--	--	--
Volatile Organic Compounds (µg/L)												
1,1,1,2-Tetrachloroethane	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
1,1,1-Trichloroethane	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2,2-Tetrachloroethane	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromo-3-chloropropane	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dibromoethane	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
2-Butanone (MEK)	--	< 10 U	12	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U
2-Chlor-1,3-Butadiene	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
2-Chloroethyl vinyl ether	< 10 U	--	< 10 U	--	--	< 10 U	--	< 10 U	--	--	--	--
2-Methyl-1-propanol	--	< 40 U	--	< 40 U	< 40 U	--	< 40 U	--	< 40 U	< 40 U	< 40 U	< 40 U
4-Methyl-2-Pentanone	--	< 10 U	--	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Acetone	--	< 25 U	110	< 25 U	< 25 U	--	< 25 U	--	< 25 U	< 25 U	< 25 U	< 25 U
Acetonitrile	--	< 40 U	--	< 40 U	< 40 U	--	< 40 U	--	< 40 U	< 40 U	< 40 U	< 40 U
Acrolein	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Acrylonitrile	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Allyl chloride	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
Benzene	< 1 U	< 1.0 U	2.4	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromodichloromethane	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromoform	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Bromomethane	< 1 U	< 5.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 5.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Carbon Dioxide	280 NJB	--	--	--	--	280	--	500	--	--	--	--
Carbon Disulfide	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
Carbon Tetrachloride	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
CFC-11 (Trichlorofluoromethane)	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
CFC-12 (Dichlorodifluoromethane)	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
Chlorobenzene	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chlorodibromomethane	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroethane	< 1 U	< 5.0 U	< 1 U	< 5.0 U	< 5.0 U	< 1 U	< 5.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloromethane	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
cis-1,3-Dichloropropene	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Dibromomethane	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
Dichloromethane	< 5 U	< 5.0 U	< 5 U	< 5.0 U	< 5.0 U	< 5 U	< 5.0 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Ethyl Methacrylate	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
Ethylbenzene	< 1 U	< 1.0 U	2.3	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Iodomethane	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
Methyl methacrylate	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
Methyl N-Butyl Ketone (2-Hexanone)	--	< 10 U	--	< 10 U	< 10 U	--	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U
Methylacrylonitrile	--	< 20 U	--	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U
Pentachloroethane	--	< 5.0 U	--	< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5 U	< 5 U	< 5 U	< 5 U
Propionitrile	--	< 20 U	--	< 20 U	< 20 U	--	< 20 U	--	< 20 U	< 20 U	< 20 U	< 20 U
Styrene (Monomer)	--	< 1.0 U	--	< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethene	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Toluene	< 1 U	< 1.0 U	1.7	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Total Xylenes	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	--	< 2 U	< 2 U	< 2 U	< 2 U
trans-1,2-Dichloroethene	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,3-Dichloropropene	< 1 U	--	< 1 U	--	--	< 1 U	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
trans-1,4-Dichloro-2-butene	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	--	< 2 U	< 2 U	< 2 U	< 2 U
Trichloroethene	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Location ID	SW-1	SW-1	SW-2	SW-2	SW-2	SW-3	SW-3	SW-4	SW-F2	SW-F3	SW-F4	SW-F5
Sample ID	SW-1_7/6/06_NM	SW-1(08282014)	SW-2_7/6/06_NM	SW-2(08282014)	DUP-01(08282014)	SW-3_7/6/06_NM	SW-3(08282014)	SW-4_7/6/06_NM	SW-F2_11/3/00_NM	SW-F3_11/2/00_NM	SW-F4_11/2/00_NM	SW-F5_11/2/00_NM
Sample Date	07/06/2006	08/28/2014	07/06/2006	08/28/2014	08/28/2014	07/06/2006	08/28/2014	07/06/2006	11/03/2000	11/02/2000	11/02/2000	11/02/2000
Sample Type	N	N	N	N	FD	N	N	N	N	N	N	N
Vinyl acetate	--	< 2.0 U	--	< 2.0 U	< 2.0 U	--	< 2.0 U	--	< 2 U	< 2 U	< 2 U	< 2 U
Vinyl chloride	< 1 U	< 1.0 U	< 1 U	< 1.0 U	< 1.0 U	< 1 U	< 1.0 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U

Acronyms and Abbreviations:
DUP = field duplicate
mg/L = milligram per liter
PCB = polychlorinated biphenyl
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
J = Result is estimated
U = Result is less than the laboratory detection limit

Location ID	SD-F2	SD-F2/F3/F4/F5	SD-F3	SD-F4	SD-F5	SED-1	SED-2	SED-3
Sample ID	SD-F2_11/2/00_(0-0.5)GRAB_NM	SD-F2/F3/F4/F5_11/2/00_(0-0.5)COMP_H_NM	SD-F3_11/2/00_(0-0.5)GRAB_NM	SD-F4_11/2/00_(0-0.5)GRAB_NM	SD-F5_11/2/00_(0-0.5)GRAB_NM	SED-1(08282014)	SED-2(08282014)	SED-3(08282014)
Sample Date	11/02/2000	11/02/2000	11/02/2000	11/02/2000	11/02/2000	08/28/2014	08/28/2014	08/28/2014
Sample Type	N	N	N	N	N	N	N	N
Field Parameters								
pH (Standard Units)	6.87	--	7.14	7.24	6.88	--	--	--
Grain Size (percent)								
Clay	--	--	--	--	--	4.3	10.3	26
Gravel	--	--	--	--	--	2.6	3	2.9
HYDROMETER, READING 1	--	--	--	--	--	12.5	2.5	6.7
HYDROMETER, READING 2	--	--	--	--	--	0.5	0.6	0.8
HYDROMETER, READING 3	--	--	--	--	--	0	0	1.8
HYDROMETER, READING 4	--	--	--	--	--	0.5	1.1	0.9
HYDROMETER, READING 5	--	--	--	--	--	0.5	0.6	2.6
HYDROMETER, READING 6	--	--	--	--	--	0.6	1.3	2.8
HYDROMETER, READING 7	--	--	--	--	--	0.5	2.3	2.6
Sand	--	--	--	--	--	79.2	81.9	58.3
Sand Coarse	--	--	--	--	--	5.6	2.2	3
Sand Fine	--	--	--	--	--	57.9	64.4	47
Sand Medium	--	--	--	--	--	15.7	15.3	8.3
Sieve 0.375 inch, % passing	--	--	--	--	--	0	0	0
Sieve 0.75 inch, % passing	--	--	--	--	--	0	0	0
Sieve 1 inch, % passing	--	--	--	--	--	0	0	0
Sieve 1.5 inch, % passing	--	--	--	--	--	0	0	0
Sieve 2 inch, % passing	--	--	--	--	--	0	0	0
Sieve 3 inch, % passing	--	--	--	--	--	0	0	0
Sieve No. 10, % passing	--	--	--	--	--	5.6	2.2	3
Sieve No. 100, % passing	--	--	--	--	--	10.1	11.8	10.5
Sieve No. 20, % passing	--	--	--	--	--	8.4	4.7	2.3
Sieve No. 200, % passing	--	--	--	--	--	35.5	32.6	20.9
Sieve No. 4, % passing	--	--	--	--	--	2.6	3	2.9
Sieve No. 40, % passing	--	--	--	--	--	7.3	10.6	6
Sieve No. 60, % passing	--	--	--	--	--	6.1	10.3	6.6
Sieve No. 80, % passing	--	--	--	--	--	6.2	9.7	9
Silt	--	--	--	--	--	14	4.8	12.8
Metals (mg/kg)								
Antimony	< 2.6 U	--	< 3.1 U	< 2.6 U	< 3.9 U	--	--	--
Arsenic	3	--	1.4	2	5.2	--	--	--
Barium	170	--	90	29	100	--	--	--
Beryllium	0.63	--	0.68	< 0.56 U	0.89	--	--	--
Cadmium	< 0.71 U	--	< 0.65 U	< 0.7 U	< 0.98 U	--	--	--
Chromium	7.6	--	5.5	5.2	15	--	--	--
Cobalt	8.9	--	1.8	1.3	2.3	--	--	--
Copper	3.2	--	3.7	7	11	--	--	--
Lead	14	--	12	43	37	--	--	--
Mercury	0.074	--	0.076	0.092	0.16	--	--	--
Nickel	< 6.2 U	--	< 5.7 U	< 5.6 U	< 7.8 U	--	--	--
Selenium	< 1.4 U	--	< 1.3 U	< 1.3 U	< 2 U	--	--	--
Silver	< 1.4 U	--	< 1.3 U	< 1.3 U	< 2 U	--	--	--
Thallium	< 1.4 U	--	< 1.3 U	< 1.3 U	< 2 U	--	--	--
Tin	< 7.8 U	--	< 7.1 U	< 7 U	< 9.8 U	--	--	--
Vanadium	11	--	6.5	6.2	23	--	--	--
Zinc	22	--	23	42	170	--	--	--
General Chemistry (mg/kg)								
Total Organic Carbon	2900	--	6000	6600	52000	14000	20000	9800
Dioxins and Furans (pg/g)								
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--	10.2	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	--	917	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--	< 0.84 U	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	--	< 0.602 U	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	--	27	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	--	< 0.555 U	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	--	< 1.98 U	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	--	< 0.863 U	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	--	83.9	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	--	< 0.267 U	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	--	1.65	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	--	< 0.68 U	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	--	0.802	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran	--	< 0.379 U	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	--	< 0.328 U	--	--	--	< 1.5 U	< 1.9 U	< 1.4 U
Heptachlorodibenzofurans	--	37.6	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins	--	1470	--	--	--	--	--	--
Hexachlorodibenzofurans	--	14.1	--	--	--	13	77	34
Hexachlorodibenzo-p-dioxins	--	534	--	--	--	56	320	130
Octachlorodibenzofuran	--	28.1	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	--	21900	--	--	--	--	--	--
Pentachlorodibenzofurans, Total	--	11	--	--	--	< 7.3 U	28	15
Pentachlorodibenzo-p-dioxins, Total	--	59.2	--	--	--	< 7.3 U	20	11
Tetrachlorodibenzofuran	--	--	--	--	--	4.5	15	6.1
Tetrachlorodibenzofurans, Total	--	3.7	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	--	42.1	--	--	--	1.8	4.2	4.9
Toxicity Equivalent Quotient	--	43.5	--	--	--	--	--	--

Location ID	SD-F2	SD-F2/F3/F4/F5	SD-F3	SD-F4	SD-F5	SED-1	SED-2	SED-3
Sample ID	SD-F2_11/2/00_(0-0.5)GRAB_NM	SD-F2/F3/F4/F5_11/2/00_(0-0.5)COMP_H_NM	SD-F3_11/2/00_(0-0.5)GRAB_NM	SD-F4_11/2/00_(0-0.5)GRAB_NM	SD-F5_11/2/00_(0-0.5)GRAB_NM	SED-1(08282014)	SED-2(08282014)	SED-3(08282014)
Sample Date	11/02/2000	11/02/2000	11/02/2000	11/02/2000	11/02/2000	08/28/2014	08/28/2014	08/28/2014
Herbicides (µg/kg)								
2,4,5-T (Trichlorophenoxyacetic Acid)	--	< 15 U	--	--	--	--	--	--
2,4,5-TP (Silvex)	--	< 15 U	--	--	--	--	--	--
2,4-D (Dichlorophenoxyacetic Acid)	--	< 15 U	--	--	--	--	--	--
Pesticides (µg/kg)								
4,4-DDD (Rhothane)	--	< 5.9 U	--	--	--	--	--	--
4,4-DDE (Dichlorodiphenyl-dichloroethyler	--	< 5.9 U	--	--	--	--	--	--
4,4-DDT (Dichlorodiphenyl-trichloroethane	--	< 5.9 U	--	--	--	--	--	--
Aldrin	--	< 3 U	--	--	--	--	--	--
Alpha-BHC	--	< 3 U	--	--	--	--	--	--
Beta-BHC	--	< 3 U	--	--	--	--	--	--
Chlordane	--	< 30 U	--	--	--	--	--	--
Chlorobenzilate	--	< 30 U	--	--	--	--	--	--
Delta-BHC	--	< 3 U	--	--	--	--	--	--
Dieldrin	--	< 5.9 U	--	--	--	--	--	--
Endosulfan I	--	< 3 U	--	--	--	--	--	--
Endosulfan II	--	< 5.9 U	--	--	--	--	--	--
Endosulfan sulfate	--	< 5.9 U	--	--	--	--	--	--
Endrin	--	< 5.9 U	--	--	--	--	--	--
Endrin aldehyde	--	< 5.9 U	--	--	--	--	--	--
Heptachlor	--	< 3 U	--	--	--	--	--	--
Heptachlor epoxide	--	< 3 U	--	--	--	--	--	--
Isodrin	--	< 5.9 U	--	--	--	--	--	--
Kepone	--	< 300 U	--	--	--	--	--	--
Methoxychlor	--	< 30 U	--	--	--	--	--	--
Technical BHC	--	< 3 U	--	--	--	--	--	--
Toxaphene	--	< 300 U	--	--	--	--	--	--
PCBs (µg/kg)								
Aroclor 1016	--	< 59 U	--	--	--	--	--	--
Aroclor 1221	--	< 120 U	--	--	--	--	--	--
Aroclor 1232	--	< 59 U	--	--	--	--	--	--
Aroclor 1242	--	< 59 U	--	--	--	--	--	--
Aroclor 1248	--	< 59 U	--	--	--	--	--	--
Aroclor 1254	--	< 59 U	--	--	--	--	--	--
Aroclor 1260	--	< 59 U	--	--	--	--	--	--
Total Petroleum Hydrocarbons (mg/kg)								
Diesel Range Organics	10 J	--	17 J	580 J	9.2 J	--	--	--
Gasoline Range Organics	< 0.39 U	--	< 0.38 U	< 0.38 U	< 0.48 U	--	--	--
Semi-Volatile Organic Compounds (µg/kg)								
1,1-Biphenyl	< 1000 U	--	< 940 U	< 930 U	< 1300 U	< 25000 U	< 32000 U	< 24000 U
1,2,4,5-Tetrachlorobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
1,2,4-Trichlorobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
1,2-Dichlorobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
1,3,5-Trinitrobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
1,3-Dichlorobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
1,3-Dinitrobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
1,4-Dichlorobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
1,4-Dioxane	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
1,4-Naphthoquinone	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
1-Naphthylamine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2,2-Oxybis(1-Chloropropane)	--	--	--	--	--	< 4900 U	< 6100 U	< 4600 U
2,3,4,6-Tetrachlorophenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2,4,5-Trichlorophenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2,4,6-Trichlorophenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2,4-Dichlorophenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2,4-Dimethylphenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2,4-Dinitrophenol	< 2600 U	--	< 2400 U	< 2400 U	< 3300 U	< 25000 U	< 32000 U	< 24000 U
2,4-Dinitrotoluene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2,6-Dichlorophenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2,6-Dinitrotoluene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2-Acetylaminofluorene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2-Chloronaphthalene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2-Chlorophenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2-Methyl-4,6-dinitrophenol	< 2600 U	--	< 2400 U	< 2400 U	< 3300 U	< 25000 U	< 32000 U	< 24000 U
2-Methylnaphthalene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2-Methylphenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2-Naphthylamine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2-Nitroaniline	< 2600 U	--	< 2400 U	< 2400 U	< 3300 U	< 25000 U	< 32000 U	< 24000 U
2-Nitrophenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
2-Picoline	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
3,3-Dichlorobenzidine	< 1000 U	--	< 940 U	< 930 U	< 1300 U	< 9900 U	< 12000 U	< 9200 U
3,3-Dimethylbenzidine	< 2600 U	--	< 2400 U	< 2400 U	< 3300 U	< 25000 U	< 32000 U	< 24000 U
3-Methylchloranthrene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
3-Methylphenol, 4-Methylphenol	< 520 U	--	< 470 U	< 460 U	< 650 U	--	--	--
3-Nitroaniline	< 2600 U	--	< 2400 U	< 2400 U	< 3300 U	< 25000 U	< 32000 U	< 24000 U
4-Aminobiphenyl	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
4-Bromophenyl phenyl ether	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
4-Chloro-3-Methylphenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
4-Chlorophenyl phenyl ether	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
4-Dimethylaminoazobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
4-Methylphenol	--	--	--	--	--	< 4900 U	< 6100 U	< 4600 U
4-Nitroaniline	< 2600 U	--	< 2400 U	< 2400 U	< 3300 U	< 25000 U	< 32000 U	< 24000 U
4-Nitrophenol	< 2600 U	--	< 2400 U	< 2400 U	< 3300 U	< 25000 U	< 32000 U	< 24000 U

Location ID	SD-F2	SD-F2/F3/F4/F5	SD-F3	SD-F4	SD-F5	SED-1	SED-2	SED-3
Sample ID	SD-F2_11/2/00_(0-0.5)GRAB_NM	SD-F2/F3/F4/F5_11/2/00_(0-0.5)COMP_H_NM	SD-F3_11/2/00_(0-0.5)GRAB_NM	SD-F4_11/2/00_(0-0.5)GRAB_NM	SD-F5_11/2/00_(0-0.5)GRAB_NM	SED-1(08282014)	SED-2(08282014)	SED-3(08282014)
Sample Date	11/02/2000	11/02/2000	11/02/2000	11/02/2000	11/02/2000	08/28/2014	08/28/2014	08/28/2014
4-Nitroquinoline-N-Oxide	< 5200 U	--	< 4700 U	< 4600 U	< 6500 U	< 49000 U	< 61000 U	< 46000 U
5-Nitro-o-Toluidine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
7,12-Dimethylbenz(a)anthracene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Acenaphthene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Acenaphthylene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Acetophenone	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
alpha,alpha-Dimethylphenethylamine	< 100000 U	--	< 96000 U	< 94000 U	< 130000 U	--	--	--
Aniline	< 520 U	--	< 470 U	< 460 U	< 650 U	< 9900 U	< 12000 U	< 9200 U
Anthracene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Aramite	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Benzo(a)anthracene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Benzo(a)pyrene	< 520 U	--	< 470 U	< 460 U	800	< 4900 U	< 6100 U	< 4600 U
Benzo(b)fluoranthene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Benzo(g,h,i)perylene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Benzo(k)fluoranthene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Benzyl Alcohol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
beta-Pinene	< 5200 U	--	< 4700 U	< 4600 U	< 6500 U	--	--	--
bis(2-Chloroethoxy)methane	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
bis(2-Chloroethyl)ether	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
bis(2-Chloroisopropyl)ether	< 520 U	--	< 470 U	< 460 U	< 650 U	--	--	--
bis(2-Ethylhexyl)phthalate	540	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Butyl benzyl phthalate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Chrysene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Diallate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Dibenzo(a,h)anthracene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Dibenzofuran	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Diethyl phthalate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Dimethoate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Dimethyl phthalate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Dimethylphenethylamine	--	--	--	--	--	< 1000000 U	< 1200000 U	< 940000 U
Di-n-butyl phthalate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Di-n-octyl phthalate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Dinoseb	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Diphenyl ether	< 1000 U	--	< 940 U	4000	< 1300 U	--	--	--
Disulfoton	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Ethyl Methanesulfonate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Famphur	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Fluoranthene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Fluorene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Hexachloro-1,3-butadiene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Hexachlorobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Hexachlorocyclopentadiene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Hexachloroethane	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Hexachlorophene	< 260000 U	--	< 240000 U	< 240000 U	< 330000 U	< 2500000 U	< 3200000 U	< 2400000 U
Hexachloropropene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Indeno(1,2,3-cd)pyrene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Isophorone	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Isosafrole	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Methapyrilene	< 100000 U	--	< 96000 U	< 94000 U	< 130000 U	< 1000000 U	< 1200000 U	< 940000 U
Methyl methanesulfonate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Methyl parathion	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Naphthalene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Nitrobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
N-Nitrosodiethylamine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
N-Nitrosodimethylamine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
N-Nitrosodi-n-butylamine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
N-Nitrosodi-n-propylamine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
N-Nitrosodiphenylamine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
N-Nitrosomorpholine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
N-Nitroso-N-methylethylamine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
N-Nitrosopiperidine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
N-Nitrosopyrrolidine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
o,o,o-Triethyl phosphorothioate	--	--	--	--	--	< 4900 U	< 6100 U	< 4600 U
o,o,o-Trimethyl thiophosphate	< 520 U	--	< 470 U	< 460 U	< 650 U	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
o-Toluidine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Parathion	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
p-Chloroaniline	< 1000 U	--	< 940 U	< 930 U	< 1300 U	< 9900 U	< 12000 U	< 9200 U
Pentachlorobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Pentachloronitrobenzene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Pentachlorophenol	< 2600 U	--	< 2400 U	< 2400 U	< 3300 U	< 25000 U	< 32000 U	< 24000 U
Phenacetin	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Phenanthrene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Phenol	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Phorate	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Pinene	< 5200 U	--	< 4700 U	< 4600 U	< 6500 U	--	--	--
p-Phenylenediamine	< 2600 U	--	< 2400 U	< 2400 U	< 3300 U	< 25000 U	< 32000 U	< 24000 U
Propyzamide	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Pyrene	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Pyridine	< 520 U	--	< 470 U	< 460 U	< 650 U	< 9900 U	< 12000 U	< 9200 U
Safrole	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U
Sulfotep	< 520 U	--	< 470 U	< 460 U	< 650 U	< 4900 U	< 6100 U	< 4600 U

Location ID	SD-F2	SD-F2/F3/F4/F5	SD-F3	SD-F4	SD-F5	SED-1	SED-2	SED-3
Sample ID	SD-F2_11/2/00_(0-0.5)GRAB_NM	SD-F2/F3/F4/F5_11/2/00_(0-0.5)COMP_H_NM	SD-F3_11/2/00_(0-0.5)GRAB_NM	SD-F4_11/2/00_(0-0.5)GRAB_NM	SD-F5_11/2/00_(0-0.5)GRAB_NM	SED-1(08282014)	SED-2(08282014)	SED-3(08282014)
Sample Date	11/02/2000	11/02/2000	11/02/2000	11/02/2000	11/02/2000	08/28/2014	08/28/2014	08/28/2014
Volatile Organic Compounds (µg/kg)								
1,1,1,2-Tetrachloroethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,1,1-Trichloroethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,1,2,2-Tetrachloroethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,1,2-Trichloroethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,1-Dichloroethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,1-Dichloroethene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,2,3-Trichloropropane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,2,4-Trichlorobenzene	--	--	--	--	--	< 5.6 U	< 8.2 U	< 4.8 U
1,2-Dibromo-3-chloropropane	< 15 U	--	< 14 U	< 14 U	< 20 U	< 11 U	< 16 U	< 9.6 U
1,2-Dibromoethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,2-Dichlorobenzene	--	--	--	--	--	< 5.6 U	< 8.2 U	< 4.8 U
1,2-Dichloroethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,2-Dichloropropane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
1,3-Dichlorobenzene	--	--	--	--	--	< 5.6 U	< 8.2 U	< 4.8 U
1,4-Dichlorobenzene	--	--	--	--	--	< 5.6 U	< 8.2 U	< 4.8 U
1,4-Dioxane	--	--	--	--	--	< 56 U	< 82 U	< 48 U
2-Butanone (MEK)	< 39 U	--	< 36 U	< 35 U	< 49 U	< 28 U	< 41 U	< 24 U
2-Chlor-1,3-Butadiene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
2-Methyl-1-propanol	< 310 U	--	< 280 U	< 280 U	< 400 U	< 220 U	< 330 U	< 190 U
4-Methyl-2-Pentanone	< 38 U	--	< 35 U	< 34 U	< 50 U	< 28 U	< 41 U	< 24 U
Acetone	100	--	220	78	120	< 56 U	100	< 48 U
Acetonitrile	< 310 U	--	< 280 U	< 280 U	< 400 U	< 220 U	< 330 U	< 190 U
Acrolein	< 150 U	--	< 140 U	< 140 U	< 200 U	< 110 U	< 160 U	< 96 U
Acrylonitrile	< 150 U	--	< 140 U	< 140 U	< 200 U	< 110 U	< 160 U	< 96 U
Allyl chloride	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Benzene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Bromodichloromethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Bromoform	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Bromomethane	< 15 U	--	< 14 U	< 35 U	< 20 U	< 5.6 U	< 8.2 U	< 4.8 U
Carbon Disulfide	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Carbon Tetrachloride	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
CFC-11 (Trichlorofluoromethane)	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
CFC-12 (Dichlorodifluoromethane)	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Chlorobenzene	--	--	--	--	--	< 5.6 U	< 8.2 U	< 4.8 U
Chlorobenzilate	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	--	--	--
Chlorodibromomethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Chloroethane	< 15 U	--	< 14 U	< 14 U	< 20 U	< 5.6 U	< 8.2 U	< 4.8 U
Chloroform	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Chloromethane	< 15 U	--	< 14 U	< 14 U	< 20 U	< 5.6 U	< 8.2 U	< 4.8 U
cis-1,3-Dichloropropene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Dibromomethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Dichloromethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Ethyl Methacrylate	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Ethylbenzene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Hexachloro-1,3-butadiene	--	--	--	--	--	< 5.6 U	< 8.2 U	< 4.8 U
Iodomethane	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Methyl methacrylate	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 11 U	< 16 U	< 9.6 U
Methyl N-Butyl Ketone (2-Hexanone)	< 38 U	--	< 35 U	< 34 U	< 50 U	< 28 U	< 41 U	< 24 U
Methylacrylonitrile	< 150 U	--	< 140 U	< 140 U	< 200 U	< 110 U	< 160 U	< 96 U
Naphthalene	--	--	--	--	--	< 5.6 U	< 8.2 U	< 4.8 U
Pentachloroethane	< 38 U	--	< 35 U	< 34 U	< 50 U	< 28 U	< 41 U	< 24 U
Propionitrile	< 150 U	--	< 140 U	< 140 U	< 200 U	< 110 U	< 160 U	< 96 U
Styrene (Monomer)	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Tetrachloroethene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Toluene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Total Xylenes	< 15 U	--	< 14 U	< 14 U	< 20 U	< 11 U	< 16 U	< 9.6 U
trans-1,2-Dichloroethene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
trans-1,3-Dichloropropene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
trans-1,4-Dichloro-2-butene	< 15 U	--	< 14 U	< 14 U	< 20 U	< 11 U	< 16 U	< 9.6 U
Trichloroethene	< 7.6 U	--	< 7 U	< 6.9 U	< 10 U	< 5.6 U	< 8.2 U	< 4.8 U
Vinyl acetate	< 15 U	--	< 14 U	< 14 U	< 20 U	< 11 U	< 16 U	< 9.6 U
Vinyl chloride	< 15 U	--	< 14 U	< 14 U	< 20 U	< 5.6 U	< 8.2 U	< 4.8 U

Acronyms and Abbreviations:
DUP = field duplicate
mg/L = milligram per liter
PCB = polychlorinated biphenyl
µg/L = microgram per liter
Data Validation Qualifiers:
B = Compound was detected in the associated blank
J = Result is estimated
U = Result is less than the laboratory detection limit

APPENDIX H

Risk Assessment Attachments

Table H-1
Soil Samples Samples Not Used in Risk Assessment Dataset
Hercules LLC - Savannah Plant
Savannah, Georgia

Location	Date	Sample ID	Depth (ft bgs)	Reason Excluded
50-CC	1/19/2000	50-CC_1/19/00_(7-9)GRAB_NM	7 - 9	saturated
50-CC Composite	1/19/2000	50-CC COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	composite
50-EC Composite	1/19/2000	50-EC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	composite
50-NC Composite	1/19/2000	50-NC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	composite
50-NE	1/19/2000	50-NE_1/19/00_(6-9)GRAB_NM	6 - 9	saturated
50-NE Composite	1/19/2000	50-NE COMPOSITE_1/19/00_(1-9)COMP_H_NM	1 - 9	composite
50-NW Composite	1/24/2000	50-NW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	composite
50-SC Composite	1/19/2000	50-SC COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	composite
50-SE	1/19/2000	50-SE_1/19/00_(7-9)GRAB_NM	7 - 9	saturated
50-SE Composite	1/19/2000	50-SE COMPOSITE_1/19/00_(1-6)COMP_H_NM	1 - 6	composite
50-SW Composite	1/24/2000	50-SW COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	composite
50-WC Composite	1/24/2000	50-WC COMPOSITE_1/24/00_(1-6)COMP_H_NM	1 - 6	composite
Confirmation_Sample	12/1/2000	CONFIRMATION_SAMPLE_12/1/00_(0-3)GRAB_NM	0 - 3	newer sample used
Confirmation_Sample	12/1/2000	CONFIRMATION_SAMPLE_12/1/00_(3-6)GRAB_NM	3 - 6	newer sample used
SB-36	11/8/2002	SB-36_11/8/02_(13-15)GRAB_NM	13 - 15	saturated
SB-36	11/8/2002	SB-36_11/8/02_(8-12)GRAB_NM	8 - 12	saturated
SB-37	11/8/2002	SB-37_11/8/02_(13-15)GRAB_NM	13 - 15	saturated
SB-37	11/8/2002	SB-37_11/8/02_(8-12)GRAB_NM	8 - 12	saturated
SB-38	11/8/2002	SB-38_11/8/02_(13-15)GRAB_NM	13 - 15	saturated
SB-38	11/8/2002	SB-38_11/8/02_(8-12)GRAB_NM	8 - 12	saturated
SB-39	11/8/2002	SB-39_11/8/02_(13-15)GRAB_NM	13 - 15	saturated
SB-39	11/8/2002	SB-39_11/8/02_(8-12)GRAB_NM	8 - 12	saturated
SB-40	11/8/2002	SB-40_11/8/02_(13-15)GRAB_NM	13 - 15	saturated
SB-40	11/8/2002	SB-40_11/8/02_(8-12)GRAB_NM	8 - 12	saturated
SB-41	11/8/2002	SB-41_11/8/02_(13-15)GRAB_NM	13 - 15	saturated
SB-41	11/8/2002	SB-41_11/8/02_(8-12)GRAB_NM	8 - 12	saturated
SB-42	11/8/2002	SB-42_11/8/02_(13-15)GRAB_NM	13 - 15	saturated
SB-42	11/8/2002	SB-42_11/8/02_(8-12)GRAB_NM	8 - 12	saturated
SB-F14/F12	10/20/2000	SB-F14/F12_10/20/00_(1-3)COMP_H_NM	1 - 3	composite
SB-F14/F12/F3	10/19/2000	SB-F14/F12/F3_10/19/00_(0-3)COMP_H_NM	0 - 3	composite
SB-F6/F4/F15/F27	10/20/2000	SB-F6/F4/F15/F27_10/20/00_(0.5-3)COMP_H	0.5 - 3	composite
SR-1	1/7/1998	SR-1_1/7/98_(10-10)GRAB_NM	10 - 10	saturated
SR-1	1/7/1998	SR-1_1/7/98_(15-15)GRAB_NM	15 - 15	saturated
SR-10	1/8/1998	SR-10_1/8/98_(10-10)GRAB_NM	10 - 10	saturated
SR-2	1/7/1998	SR-2_1/7/98_(10-10)GRAB_NM	10 - 10	saturated
SR-2	1/7/1998	SR-2_1/7/98_(15-15)GRAB_NM	15 - 15	saturated
SR-3	1/7/1998	SR-3_1/7/98_(10-10)GRAB_NM	10 - 10	saturated
SR-3	1/7/1998	SR-3_1/7/98_(15-15)GRAB_NM	15 - 15	saturated
SR-4	1/7/1998	SR-4_1/7/98_(10-10)GRAB_NM	10 - 10	saturated
SR-5	1/7/1998	SR-5_1/7/98_(10-10)GRAB_NM	10 - 10	saturated
SR-5	1/7/1998	SR-5_1/7/98_(15-15)GRAB_NM	15 - 15	saturated
SR-6	1/7/1998	SR-6_1/7/98_(10-10)GRAB_NM	10 - 10	saturated
SR-6	1/7/1998	SR-6_1/7/98_(15-15)GRAB_NM	15 - 15	saturated
SR-7	1/7/1998	SR-7_1/7/98_(10-10)GRAB_NM	10 - 10	saturated
SS-33	11/8/2002	SS-33_11/8/02_(0-2)GRAB_NM	0 - 2	outside VRP boundary

Acronyms and Abbreviations:
bgs = below ground surface
ft = foot/feet

Table H-2
Soil Dioxins, Furans, and Polychlorinated Biphenyls
Hercules LLC - Savannah Plant
Savannah, Georgia

Sample ID				SB-116 (0-1)	SB-117 (0-1)	SB-122 (0-1)	SB-123 (0-1)	SB-123 (1-3)	SB-124 (0-1)	SB-126 (0-1)	SB-128 (0-1)	SB-129 (0-1)	SB-129 (1-3)	SB-130 (0-1)	SB-131 (0-1)	SB-132 (0-1)	SB-133 (0-1)	SB-134 (0-1)	SB-135 (0-1)	SB-136 (0-1)	SB-136 (1-3)
Sample Location				SB-116	SB-117	SB-122	SB-123	SB-123	SB-124	SB-126	SB-128	SB-129	SB-129	SB-130	SB-131	SB-132	SB-133	SB-134	SB-135	SB-136	SB-136
Sample Date				8/21/2014	8/20/2014	8/20/2014	8/19/2014	8/19/2014	8/19/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/19/2014	8/19/2014	8/21/2014	8/21/2014	8/21/2014
Sample Type				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (ft bgs)				0 - 1	0 - 1	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3
Constituent	**TEF**	**Units**	**RSS Tier1 Soil**																		
Dioxins and Furans																					
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	0.03	pg/g	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	0.3	pg/g	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1	pg/g	115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran	0.0003	pg/g	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	0.0003	pg/g	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total	0.03	pg/g	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ of dioxins and furans		**pg/g**	**111**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Acronyms and Abbreviations:
bgs = below ground surface
ft = foot/feet
pg/g = picogram per grams
RRS = risk reduction standard
TEF = toxic equivalency factor
TEQ = toxicity equivalent quotient
U = result is less than the laboratory detection limit

Table H-2
Soil Dioxins, Furans, and Polychlorinated Biphenyls
Hercules LLC - Savannah Plant
Savannah, Georgia

Sample ID				SB-137 (0-1)	SB-F1 (1-3)	SB-F12 (0-1) (2014)	SB-F14 (0-1) (2014)	SB-F15 (0-1) (2014)	SB-F19 (0-3)	SB-F27 (0-1) (2014)	SB-F27 (1-3) (2014)	SB-F4 (0-1) (2014)	SB-F6 (0-1) (2014)	SS-88_11/6/08 _(0-2)RAB_NM	SS-90_11/6/08 _(0-2)RAB_NM	SS-95_11/6/08 _(0-2)RAB_NM	DS-9-1 (0-2) (102417)	DS-9-2 (0-4) (102417)	DS-9-3 (0-4) (102417)	DS-9-4 (0-4) (102417)	DS-9-2A (12292017)
Sample Location				SB-137	SB-F1	SB-F12	SB-F14	SB-F15	SB-F19	SB-F27	SB-F27	SB-F4	SB-F6	SS-88	SS-90	SS-95	DS-9	DS-9	DS-9	DS-9	DS-9
Sample Date				8/21/2014	10/19/2000	8/20/2014	8/20/2014	8/19/2014	10/17/2000	8/19/2014	8/19/2014	8/19/2014	8/19/2014	11/6/2008	11/6/2008	11/6/2008	10/24/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017
Sample Type				N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (ft bgs)				0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 3	0 - 1	1 - 3	0 - 1	0 - 1	0 - 2	0 - 2	0 - 2	0-2	0-4	0-4	0-4	0-4
Constituent	**TEF**	**Units**	**RSS Tier1 Soil**																		
Dioxins and Furans																					
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	7.85	--	--	--	3.21	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	0.01	pg/g	6.4	--	101	--	--	--	39.9	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	0.5	--	--	--	0.284	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	0.567	--	--	--	0.433	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	13.4	--	--	--	1.68	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	0.469	--	--	--	0.265	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	0.712	--	--	--	< 0.82 U	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1	pg/g	64	--	0.129	--	--	--	0.12	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	6.75	--	--	--	1.15	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	0.03	pg/g	19	--	0.165	--	--	--	0.154	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	1	pg/g	110	--	0.893	--	--	--	< 0.262 U	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	0.588	--	--	--	0.297	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	0.3	pg/g	190	--	0.628	--	--	--	0.388	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran	0.1	pg/g	64	--	1.13	--	--	--	0.618	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1	pg/g	115	--	0.142	< 1.1 U	< 1.1 U	< 1.2 U	0.106	< 1.1 U	< 1.1 U	< 1.1 U	< 1.2 U	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans	0.01	pg/g	6.4	--	26.8	--	--	--	10.9	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins	0.01	pg/g	6.4	--	244	--	--	--	121	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans	0.1	pg/g	64	--	11.6	< 5.3 U	11	75	4.54	39	23	25	< 5.8 U	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins	0.1	pg/g	64	--	115	< 5.3 U	18	900	19.7	74	110	44	12	--	--	--	--	--	--	--	--
Octachlorodibenzofuran	0.0003	pg/g	0.19	--	17.8	--	--	--	10.7	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	0.0003	pg/g	0.19	--	1800	--	--	--	4640	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total	0.03	pg/g	19	--	8.77	< 5.3 U	9.3	30	3.52	19	17	16	< 5.8 U	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	9.92	< 5.3 U	< 5.7 U	51	1.75	5.8	5.9	< 5.7 U	< 5.8 U	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total	0.1	pg/g	64	--	8.27	< 1.1 U	12	17	3.77	11	11	9.2	< 1.2 U	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	3.77	< 1.1 U	1.1	9.2	0.303	< 1.1 U	< 1.1 U	< 1.1 U	< 1.2 U	--	--	--	--	--	--	--	--
TEQ of dioxins and furans		**pg/g**	**111**	**--**	**5.2**	**--**	**--**	**--**	**2.51**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Acronyms and Abbreviations:
bgs = below ground surface
ft = foot/feet
pg/g = picogram per grams
RRS = risk reduction standard
TEF = toxic equivalency factor
TEQ = toxicity equivalent quotient
U = result is less than the laboratory detection limit

Table H-2
Soil Dioxins, Furans, and Polychlorinated Biphenyls
Hercules LLC - Savannah Plant
Savannah, Georgia

Sample ID				EX-21-1 (0-2) (102517)	EX-21-2 (0-2) (102517)	EX-21-1A (12292017)	EX-22-1 (0-2) (102517)	EX-22-2 (0-2) (102517)	EX-22-3 (0-2) (102517)	EX-26-1 (0-2) (102617)	EX-26-2 (0-2) (102617)	EX-26-3 (0-2) (102617)	SB-122-1 (0-1) (102617)	SB-122-2 (0-1) (102617)	SB-122-3 (0-1) (102617)	SB-122-4 (0-1) (102617)	SB-126-1 (0-1) (102417)	SB-126-2 (0-1) (102417)	SB-126-3 (0-1) (102417)	SB-128-1 (0-1) (102417)	SB-128-2 (0-1) (102417)	SB-128-3 (0-1) (102417)
Sample Location				EX-21	EX-21	EX-21	EX-22	EX-22	EX-22	EX-26	EX-26	EX-26	SB-122	SB-122	SB-122	SB-122	SB-126	SB-126	SB-126	SB-128	SB-128	SB-128
Sample Date				10/25/2017	10/25/2017	12/29/2017	10/25/2017	10/25/2017	10/25/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/26/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017	10/24/2017
Sample Type				N	N	N	N	N	N	N [FD]	N	N	N	N	N	N	N	N	N	N	N [FD]	N
Sample Depth (ft bgs)				0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Constituent	**TEF**	**Units**	**RSS Tier1 Soil**																			
Dioxins and Furans																						
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	0.03	pg/g	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	0.3	pg/g	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1	pg/g	115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran	0.0003	pg/g	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	0.0003	pg/g	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total	0.03	pg/g	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ of dioxins and furans		**pg/g**	**111**	**--**	**--**	**--**	**--**	**--**	**--**	**-- [--]**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**-- [--]**	**--**

Acronyms and Abbreviations:
bgs = below ground surface
ft = foot/feet
pg/g = picogram per grams
RRS = risk reduction standard
TEF = toxic equivalency factor
TEQ = toxicity equivalent quotient
U = result is less than the laboratory detection limit

Table H-2
Soil Dioxins, Furans, and Polychlorinated Biphenyls
Hercules LLC - Savannah Plant
Savannah, Georgia

Sample ID				SB-128-1A (12292017)	SB-128-3B (12292017)	SB-137-1 (0-1) (102417)	SB-137-1A (12292017)	SB-142-1 (0-1) (102617)	SB-142-2 (0-1) (102617)	SB-142-3 (0-1) (102617)	SB-159-1 (0-2) (102417)	SB-159-2 (0-2) (102417)	SB-159-3 (0-2) (102417)	SB-159-1A (12292017)	SB-165-1 (0-2) (102517)	SB-165-2 (0-2) (102517)	SB-168-1 (0-2) (102517)	SB-168-2 (0-2) (102517)	SB-168-3 (0-2) (102517)	SB-189-1 (0-2) (102517)	SB-189-2 (0-2) (102517)	SB-189-3 (0-2) (102517)
Sample Location				SB-128	SB-128	SB-137	SB-137	SB-142	SB-142	SB-142	SB-159	SB-159	SB-159	SB-159	SB-165	SB-165	SB-168	SB-168	SB-168	SB-189	SB-189	SB-189
Sample Date				12/29/2017	12/29/2017	10/24/2017	12/29/2017	10/26/2017	10/26/2017	10/26/2017	10/24/2017	10/24/2017	10/24/2017	12/29/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017	10/25/2017
Sample Type				N [FD]	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Sample Depth (ft bgs)				0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
Constituent	**TEF**	**Units**	**RSS Tier1 Soil**																			
Dioxins and Furans																						
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	0.03	pg/g	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	0.3	pg/g	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1	pg/g	115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran	0.0003	pg/g	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	0.0003	pg/g	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total	0.03	pg/g	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ of dioxins and furans		**pg/g**	**111**	**-- [--]**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

Acronyms and Abbreviations:
bgs = below ground surface
ft = foot/feet
pg/g = picogram per grams
RRS = risk reduction standard
TEF = toxic equivalency factor
TEQ = toxicity equivalent quotient
U = result is less than the laboratory detection limit

Table H-2
Soil Dioxins, Furans, and Polychlorinated Biphenyls
Hercules LLC - Savannah Plant
Savannah, Georgia

Sample ID				SB-198-1 (0-2) (102517)	SB-198-2 (0-2) (102517)	SB-202-1 (0-2) (102417)	SB-202-2 (0-2) (102417)	SB-202-1A (12292017)	SB-204-1 (0-2) (102617)	SB-204-2 (0-2) (102617)	SB-204-3 (0-2) (102617)	SB-204-1A (12292017)	SB-204-2A (12292017)	SB-204-2B (12292017)	SB-204-3A (12292017)	SB-204-3B (12292017)	SB-207-1 (0-2) (102617)	SB-207-2 (0-2) (102617)	SB-207-3 (0-2) (102617)
Sample Location				SB-198	SB-198	SB-202	SB-202	SB-202	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-204	SB-207	SB-207	SB-207
Sample Date				10/25/2017	10/25/2017	10/24/2017	10/24/2017	12/29/2017	10/26/2017	10/26/2017	10/26/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	12/29/2017	10/26/2017	10/26/2017	10/26/2017
Sample Type				N	N	N [FD]	N	N	N	N	N	N	N [FD]	N	N	N	N	N	N
Sample Depth (ft bgs)				0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
Constituent	**TEF**	**Units**	**RSS Tier1 Soil**																
Dioxins and Furans																			
1,2,3,4,6,7,8-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	0.03	pg/g	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	0.3	pg/g	190	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1	pg/g	115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzofurans	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins	0.01	pg/g	6.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzofurans	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzofuran	0.0003	pg/g	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	0.0003	pg/g	0.19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total	0.03	pg/g	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total	0.1	pg/g	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	1	pg/g	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TEQ of dioxins and furans		**pg/g**	**111**	**--**	**--**	15 [79]	22	--	0.91	0.56	10	--	-- [--]	--	--	--	2.3	16	1.9

Acronyms and Abbreviations:
bgs = below ground surface
ft = foot/feet
pg/g = picogram per grams
RRS = risk reduction standard
TEF = toxic equivalency factor
TEQ = toxicity equivalent quotient
U = result is less than the laboratory detection limit

Table H-3
Sediment Dioxins and Furans
Hercules LLC - Savannah Plant
Savannah, Georgia

			Sample ID	SED-1	SED-2	SED-3
			Date	8/28/2014	8/28/2014	8/28/2014
			Sample Type	SED	SED	SED
Constituent	**CAS Number**	**TEF**	**Units**			
Dioxins and Furans						
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	1	mg/kg	< 0.0000015 Uq	< 0.0000019 Uq	< 0.0000014 Uq
Hexachlorodibenzofurans	55684-94-1	0.1	mg/kg	0.000013	0.000077 q	0.000034
Hexachlorodibenzo-p-dioxins	34465-46-8	0.1	mg/kg	0.000056	0.00032	0.00013
Pentachlorodibenzofurans, Total	30402-15-4	0.03	mg/kg	< 0.0000073 Uq	0.000028 q	0.000015 q
Pentachlorodibenzo-p-dioxins, Total	36088-22-9	1	mg/kg	< 0.0000073 Uq	0.00002 q	0.000011 q
Tetrachlorodibenzofuran	30402-14-3	0.1	mg/kg	0.0000045 q	0.000015 q	0.0000061 q
Tetrachlorodibenzo-p-dioxins, Total	41903-57-5	1	mg/kg	0.0000018 q	0.0000042 q	0.0000049 q
TEQ of dioxins and furans				**0.000009**	**0.00007**	**0.00003**

Notes:

The non-residential Risk Reduction Standard for 2,3,7,8-Tetrachlorodibenzo-p-dioxin TEQ is 0.00044 mg/kg.

Acronyms and Abbreviations:

CAS = Chemical Abstracts Service
mg/kg = milligram per kilogram
q = holding time exceeded
SED = sediment
TEF = toxic equivalency factor
TEQ = toxicity equivalent quotient
U = result is less than the laboratory detection limit

Table H-4
Comparison of Maximum Concentrations Detected in Soil to Risk Reduction Standards
Hercules LLC - Savannah Plant
Savannah, Georgia

Regulated Substance [a]	Frequency of Detection				Detection Limit			Detected Concentration			Maximum Concentration: Location (depth interval = ft bgs)	Soil RRS [b]		Maximum Greater than RRS? [c]	
	Number of Detections		Number of Samples	(%) FOD	Minimum (mg/kg)	-	Maximum (mg/kg)	Minimum (mg/kg)	-	Maximum (mg/kg)		Residential (mg/kg)	Non-Residential (mg/kg)	Residential (Yes/no)	Non-Residential (Yes/no)
Volatile Organic Compounds															
Acetone	66	-	113	58	0.029	-	37	0.048	-	10	DS-14(2 - 4)	400	400	no	no
Acetonitrile	1	-	85	1	0.12	-	150	0.075	-	0.075	DS-18(0 - 2)	20	20	no	no
Benzene	14	-	137	10	0.0029	-	3.7	0.00085	-	0.097	SB-99(4 - 6)	0.5	0.53	no	no
1,1-Biphenyl	43	-	173	25	0.037	-	490	0.012	-	4400	SB-128(8/21/2014)	2.1	2.1	YES	YES
Carbon disulfide	9	-	113	8	0.0029	-	3.7	0.0011	-	0.0083	DS-9(2 - 4)	400	400	no	no
Chlorobenzene	1	-	76	1	0.0029	-	3.7	0.0011	-	0.0011	DS-16(0 - 2)	10	10	no	no
trans-1,4-Dichlorobutene	1	-	85	1	0.0058	-	7.4	0.02	-	0.02	DS-15(0 - 2)	0.5	0.63	no	no
Ethylbenzene	22	-	135	16	0.0029	-	3.7	0.00087	-	10	SB-99(2 - 4)	70	70	no	no
Ethyl Methacrylate	1	-	85	1	0.0029	-	3.7	0.89	-	0.89	GP-16(0 - 2)	NA	NA	no	no
Isobutyl alcohol	1	-	85	1	0.12	-	150	0.17	-	0.17	DS-13(0 - 2)	1000	1000	no	no
Methyl ethyl ketone	37	-	118	31	0.014	-	19	0.0026	-	0.051	SS-55(1 - 2)	200	200	no	no
Methyl isobutyl ketone	4	-	85	5	0.014	-	19	0.0043	-	0.0099	DS-14(0 - 2)	200	200	no	no
Styrene	1	-	85	1	0.0029	-	3.7	0.0029	-	0.0029	DS-6(2 - 4)	29	150	no	no
Toluene	37	-	135	27	0.0029	-	3.7	0.00068	-	8.9	SB-99(2 - 4)	100	100	no	no
Xylenes (total)	37	-	135	27	0.0058	-	7.4	0.0029	-	83	SB-99(2 - 4)	1000	1000	no	no
m-Xylene	5	-	28	18	0.0055	-	0.007	0.016	-	0.024	SS-31(0 - 2)	20	20	no	no
o-Xylene	2	-	28	7	0.0055	-	0.007	0.0084	-	0.0099	SS-52(1 - 2)	20	20	no	no
Semi Volatile Organic Compounds															
Aniline	1	-	121	1	0.36	-	980	3.3	-	3.3	SB-F3(0 - 2)	2	2	YES	YES
Bis(2-ethylhexyl)phthalate	12	-	113	11	0.35	-	490	0.06	-	2.2	SS-32(0 - 2)	292	958	no	no
Butyl benzyl phthalate	2	-	85	2	0.35	-	490	0.047	-	0.072	DS-10(0 - 2)	131	435	no	no
Dibenzofuran	2	-	85	2	0.35	-	490	0.019	-	0.024	DS-10(0 - 2)	5.9	37	no	no
Di-n-octyl phthalate	1	-	85	1	0.35	-	490	0.062	-	0.062	DS-10(0 - 2)	780	5640	no	no
Formaldehyde	28	-	29	97	0.11	-	0.11	0.1	-	54	SS-82(0 - 2)	89	100	no	no
Polycyclic Aromatic Hydrocarbons															
Acenaphthene	3	-	85	4	0.35	-	490	0.019	-	0.073	DS-1(2 - 4)	410	1250	no	no
Acenaphthylene	6	-	85	7	0.36	-	490	0.019	-	0.18	DS-1(0 - 2)	130	778	no	no
Anthracene	8	-	85	9	0.36	-	490	0.037	-	0.21	DS-3(0 - 2)	3090	20400	no	no
Benzo(a)anthracene	7	-	85	8	0.36	-	490	0.07	-	0.4	DS-10(0 - 2)	71	198	no	no
Benzo(a)pyrene	8	-	115	7	0.075	-	490	0.063	-	0.72	SS-62(1 - 2)	9.1	1.64	no	no
Benzo(b)fluoranthene	12	-	85	14	0.36	-	490	0.047	-	0.77	DS-7(0 - 2)	91	570	no	no
Benzo(g,h,i)perylene	9	-	85	11	0.36	-	490	0.032	-	0.58	DS-17(2 - 4)	2300	61000	no	no
Benzo(k)fluoranthene	2	-	85	2	0.35	-	490	0.29	-	0.45	DS-7(0 - 2)	910	5700	no	no
Chrysene	9	-	85	11	0.36	-	490	0.1	-	0.65	DS-7(0 - 2)	6140	20900	no	no
Dibenzo(a,h)anthracene	2	-	85	2	0.35	-	490	0.23	-	0.56	DS-17(2 - 4)	9.1	57	no	no
Fluoranthene	19	-	85	22	0.36	-	490	0.042	-	1.5	DS-10(0 - 2)	2220	9110	no	no
Fluorene	3	-	85	4	0.35	-	490	0.04	-	0.045	DS-4(2 - 4)	370	1520	no	no
Indeno(1,2,3-cd)pyrene	8	-	85	9	0.36	-	490	0.045	-	0.51	DS-17(2 - 4)	91	570	no	no
Naphthalene	1	-	113	1	0.0029	-	490	2.6	-	2.6	SB-126(0 - 1)	100	100	no	no
Phenanthrene	15	-	85	18	0.36	-	490	0.021	-	0.46	SS-1(0 - 2)	560	3700	no	no
Pyrene	17	-	85	20	0.36	-	490	0.019	-	1	DS-4(2 - 4)	2180	6750	no	no
Pesticides															

Table H-4
Comparison of Maximum Concentrations Detected in Soil to Risk Reduction Standards
Hercules LLC - Savannah Plant
Savannah, Georgia

Regulated Substance [a]	Frequency of Detection				Detection Limit			Detected Concentration			Maximum Concentration: Location (depth interval = ft bgs)	Soil RRS [b]		Maximum Greater than RRS? [c]	
	Number of Detections		Number of Samples	(%) FOD	Minimum (mg/kg)	-	Maximum (mg/kg)	Minimum (mg/kg)	-	Maximum (mg/kg)		Residential (mg/kg)	Non-Residential (mg/kg)	Residential (Yes/no)	Non-Residential (Yes/no)
4,4'-DDT	1	-	12	8	0.0019	-	0.0038	0.043	-	0.043	SB-122(10/26/2017)	17	57	no	no
Parathion	2	-	81	2	0.35	-	490	1.4	-	2.1	SB-F6(1 - 3)	20	62	no	no
Dioxins and Furans															
TCDD TEQ of dioxins and furans	10	-	10	100	–	-	–	5.60E-07	-	2.20E-05	SB-202(10/24/2017)	0.000115	0.00044	no	no
TCDD TEQ of dioxin like PCBs	35	-	35	100	–	-	–	1.30E-09	-	5.00E-04	SB-204(10/26/2017)	0.000115	0.00044	YES	YES
TCDD TEQ of dioxins and furans and dioxin like PCBs	37	-	37	100	–	-	–	1.30E-09	-	5.10E-04	SB-204(10/26/2017)	0.000115	0.00044	YES	YES
Polychlorinated Biphenyls															
Total Non-Dioxin like PCBs	35	-	35	100	–	-	–	0.000399	-	5.87	SB-204(12/29/2017)	1.55	1.55	YES	YES
Aroclors															
Aroclor 1254	37	-	44	84	0.036	-	0.044	0.043	-	14	SB-122(8/20/2014)	1.6	7.3	YES	YES
Aroclor 1260	2	-	39	5	0.035	-	0.17	0.094	-	0.25	SS-88(11/6/2008)	4.6	20	no	no

Notes:
[a] Data for all detected regulated substances are presented.
Data from all vadose zone soil samples were included with the exception of samples saturated samples and composite samples. Samples excluded are presented in Table I-1.
[b] Soil RRSs
The Soil RRS for the Residential Scenario is the maximum of the Type 1 RRS and the Type 2 RRS.
The Soil RRS for Non-Residential Scenario is the minimum of the Type 3 RRS and the Type 4 RRS.
[c] Constituents with maximum concentrations greater than residential RRS are identified for further evaluation.

Acronyms and Abbreviations:
-- = not applicable
bgs = below ground surface
DDT = Dichlorodiphenyl-trichloroethane
ft = foot/feet
FOD = frequency of detection
mg/kg = milligram per kilogram
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
TCDD = 2,3,7,8-Tetrachlorodibenzo-p-dioxin
TEF = toxic equivalency factor
TEQ = toxicity equivalent quotient

Table H-5a
Comparison of Maximum Concentrations Detected in Groundwater to Risk Reduction Standards
Hercules LLC - Savannah Plant
Savannah, Georgia

Regulated Substances [a]	Frequency of Detection				Detection Limit			Detected Concentration			Maximum Concentration: Location (Date)	Groundwater Type 1 RRS [b]	Maximum Greater than Type 1 RRS? [c]
	Number of Detections		Number of Samples	(%) FOD	Minimum (mg/L)	-	Maximum (mg/L)	Minimum (mg/L)	-	Maximum (mg/L)		(mg/L)	(Yes/no)
Volatile Organic Compounds													
Acetone	4	-	21	19	0.01	-	0.13	0.016	-	0.060	MW-F21(05/03/2016)	4	no
Benzene	4	-	24	17	0.001	-	0.005	0.0013	-	0.0031	MW-F21(11/04/2015)	0.005	no
1,1-Biphenyl	2	-	24	8	0.00096	-	0.0056	0.84	-	1.4	TMW-22(12/28/2017)	0.01	YES
Biphenyl Ether	2	-	5	40	0	-	0.0011	0.00024	-	0.27	MW-F21(05/04/2015)	0.01	YES
Tetrachloroethene	8	-	20	40	0.001	-	0.005	0.00092	-	0.005	MW-F7(12/27/2017)	NA	no
Xylenes (total)	2	-	20	10	0.001	-	0.015	0.00046	-	0.00091	MW-F21(11/04/2015)	10	no
o-Xylene	1	-	15	7	0.001	-	0.005	0.00038	-	0.00038	MW-F21(11/04/2015)	0.001	no
m&p-Xylene	1	-	5	20	0.001	-	0.001	0.00046	-	0.00046	MW-F21(12/27/2017)	0.002	no
Semi Volatile Organic Compounds													
Bis(2-ethylhexyl)phthalate	1	-	20	5	0.0048	-	0.028	0.0022	-	0.0022	MW-29(11/03/2015)	0.01	no
2,4-Dichlorophenol	1	-	5	20	0.00097	-	0.0011	0.00044	-	0.00044	MW-F7(05/04/2015)	NA	no
2-Methylnaphthalene	1	-	5	20	0.00019	-	0.00023	0.0066	-	0.0066	MW-F21(05/04/2015)	0.02	no
1,4-Dioxane	4	-	20	20	0.0019	-	0.0024	0.0033	-	0.016	MW-F21(05/04/2015)	0.07	no
Phenol	2	-	20	10	0.00096	-	0.0012	0.0031	-	0.0036	MW-F21(11/04/2015)	4	no
Polycyclic Aromatic Hydrocarbons													
Acenaphthene	8	-	20	40	0.00019	-	0.00024	0.0013	-	0.016	MW-F5(11/04/2015)	2	no
Dibenzo(a,h)anthracene	1	-	20	5	0.00019	-	0.0011	0.00016	-	0.00016	MW-F5(05/03/2016)	0.01	no
Fluorene	2	-	20	10	0.00019	-	0.0011	0.00011	-	0.00042	MW-F21(05/03/2016)	1	no
Naphthalene	4	-	20	20	0.00019	-	0.00024	0.0045	-	0.13	MW-F21(05/04/2015)	0.02	YES
Dioxins and Furans													
TCDD TEQ of dioxins and furans	1	-	1	100	–	-	–	2.7E-10	-	2.7E-10	TMW-19(12/28/2017)	0.0001	no
TCDD TEQ of dioxin like PCBs	2	-	2	100	–	-	–	1.4E-13	-	2.1E-11	TMW-21(01/31/2018)	0.0001	no
Polychlorinated Biphenyls													
Total Non-Dioxin like PCBs	6	-	6	100	–	-	–	4.02E-08	-	3.516E-06	TMW-19(02/20/2018)	0.0005	no

Notes:
[a] Data for all regulated substances detected in the last three years (2015-2018).
[b] Groundwater Type 1 RRS.
[c] Constituents with maximum concentrations greater than the Type 1 RRS are identified for further evaluation.

Acronyms and Abbreviations:
-- = not detected/not analyzed
FOD = frequency of detection
mg/L = milligram per liter
NA = not applicable
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
TCDD = 2,3,7,8-Tetrachlorodibenzo-p-dioxin
TEF = toxic equivalency factor
TEQ = toxicity equivalent quotient

Table H-5b
Comparison of Maximum Concentrations Detected in Groundwater to Risk Reduction Standards
Hercules LLC - Savannah Plant
Savannah, Georgia

Regulated Substances [a]	Frequency of Detection				Detection Limit			Detected Concentration			Maximum Concentration: Location (Date)	Groundwater Type 1 RRS [b]	Maximum Greater than Type 1 RRS? [c]
	Number of Detections		Number of Samples	(%) FOD	Minimum (mg/L)	-	Maximum (mg/L)	Minimum (mg/L)	-	Maximum (mg/L)		(mg/L)	(Yes/no)
Semi Volatile Organic Compounds													
Dibenzofuran	3	0	4	75	0.00097	-	0.00097	0.00015	-	0.00017	MWD-30(11/03/2015)	0.01	no
Fluorene	3	-	4	75	0.00019	-	0.00019	0.00013	-	0.00015	MWD-30(11/03/2015)	1	no

Notes:
[a] Data for all regulated substances detected in the last three years (2015-2018).
[b] Groundwater Type 1 RRS.
[c] Constituents with maximum concentrations greater than the Type 1 RRS are identified for further evaluation.
Acronyms and Abbreviations:
FOD = frequency of detection
mg/L = milligram per liter
RRS = Risk Reduction Standard

Table H-6
Comparison of Maximum Concentrations Detected in Sediment to Risk Reduction Standards
Hercules LLC - Savannah Plant
Savannah, Georgia

Regulated Substance [a]	Frequency of Detection				Detection Limit			Detected Concentration			Maximum Concentration: Location (Date)	Soil RRS [b]		Maximum Greater than RRS? [c]	
	Number of Detections		Number of Samples	(%) FOD	Minimum (mg/kg)	-	Maximum (mg/kg)	Minimum (mg/kg)	-	Maximum (mg/kg)		Residential (mg/kg)	Non-Residential (mg/kg)	Residential (Yes/no)	Non-Residential (Yes/no)
Acetone	1	-	3	33	0.048	-	0.056	0.1	-	0.1	SED-2 (8/28/2014)	400	400	no	no
2,3,7,8-TCDD TEQ	3	-	3	100	--	-	--	0.000009	-	0.00007	SED-2 (8/28/2014)	0.000115	0.00044	no	no

[a] Only detected constituents are presented.
[b] Soil RRSs
The Soil RRS for the Residential Scenario is the maximum of the Type 1 RRS and the Type 2 RRS.
The Soil RRS for Non-Residential Scenario is the minimum of the Type 3 RRS and the Type 4 RRS.
[c] Constituents with maximum concentrations greater than residential RRS are identified for further evaluation.

Acronyms and Abbreviations:

-- = not applicable
FOD = frequency of detection
mg/kg = milligram per kilogram
RRS = Risk Reduction Standard
TCDD = 2,3,7,8-Tetrachlorodibenzo-p-dioxin
TEQ = toxicity equivalent quotient

Table H-7
Comparison of Maximum Concentrations Detected in Surface Water to Georgia In stream Criteria
Hercules LLC - Savannah Plant
Savannah, Georgia

Regulated Substance [a]	Frequency of Detection				Detection Limit			Detected Concentration			Maximum Concentration: Location (Date)	Georgia In-stream Standard [b]	Groundwater Type 1 RRS [c]	Maximum Greater than Groundwater Type 1 RRS?
	Number of Detections		Number of Samples	(%) FOD	Minimum (mg/L)	-	Maximum (mg/L)	Minimum (mg/L)	-	Maximum (mg/L)		(mg/L)	(mg/L)	(Yes/no)
Ammonia (as N)	3	-	3	100	--	-	--	0.13	-	0.32	SW-01 (8/28/2014)	--	30	no
Fluoride	3	-	3	100	--	-	--	0.16	-	0.53	SW-03 (8/28/2014)	--	4	no
N-Nitrosodi-n-butylamine	1	-	3	33	0.00098	-	0.001	0.078	-	0.078	SW-02 (8/28/2014)	--	0.01	YES

Notes:
[a] Only detected constituents are presented.
[b] Georgia's Water Quality Standards. 391-3-6. Water Use Classifications and Water Quality Standards (GA EPD 2015).
[c] Groundwater Type 1 RRS.
Acronyms and Abbreviations:
FOD = frequency of detection
GA EPD = Georgia Environmental Protection Division
mg/L = milligram per liter
RRS = Risk Reduction Standard
References:
GA EPD. 2015. Rules and Regulations for Water Quality Control Chapter 391-3-6-.03 (revised 2015).

Table H-8
Selection of Constituents of Potential Concern for Soil
Hercules LLC - Savannah Plant
Savannah, Georgia

Regulated Substance [a]	Frequency of Detection				Detected Concentration			EPC [b]		Soil RRS [c]		EPC Greater than RRS? [d]	
	Number of Detections		Number of Samples	(%) FOD	Minimum (mg/kg)	-	Maximum (mg/kg)	(mg/kg)		Residential (mg/kg)	Non-Residential (mg/kg)	Residential (Yes/no)	Non-Residential (Yes/no)
Volatile Organic Compounds													
1,1-Biphenyl	43	-	173	25	0.012	-	4400	156.096		2.1	2.1	YES	YES
Semi Volatile Organic Compounds													
Aniline	1	-	121	1	3.3	-	3.3	3.3	max	2	2	YES	YES
Benzyl alcohol	4	-	85	5	1.8	-	4.5	0.6174		7.8	49	no	no
Pesticides													
TCDD TEQ of dioxin like PCBs	35	-	35	100	1.3E-09	-	0.0005	0.0000731		0.00015	0.00044	no	no
TCDD TEQ of dioxins and furans and dioxin like PCBs	37	-	37	100	1.30E-09	-	5.10E-04	7.73E-05		0.00015	0.00044	no	no
Polychlorinated Biphenyls													
Total Non-Dioxin like PCBs	35	-	35	100	3.99E-04	-	5.87E+00	1.30E+00		1.6	1.55	no	no
Aroclors													
Aroclor 1254	37	-	44	84	0.043	-	14	2.29		1.6	7.3	YES	no

Notes:
[a] Data for all regulated substances present at maximum concentrations above the Type 1 RRS (Table I-4).
[b] The EPC is the UCL on the average, or the maximum concentration where the UCL was incalculable.
The UCLs were calculated using ProUCL (5.1.00). The UCL used is the one recommended by ProUCL (5.1.00).
EPCs marked with "max" are based on the maximum detected concentration.
[c] Soil RRSs
The Soil RRS for the Residential Scenario is the maximum of the Type 1 RRS and the Type 2 RRS.
The Soil RRS for Non-Residential Scenario is the minimum of the Type 3 RRS and the Type 4 RRS.
[d] Constituents present with EPCs greater than RRSs were selected as COPCs.

Acronyms and Abbreviations:
COPC = constituent of potential concern
EPC = exposure point concentration
FOD = frequency of detection
mg/kg = milligram per kilogram
PCB = polychlorinated biphenyl
RRS = Risk Reduction Standard
TCDD = 2,3,7,8-Tetrachlorodibenzo-p-dioxin
TEQ = toxicity equivalent quotient
UCL = upper confidence limit

Table H-9
Selection of Constituents of Potential Concern for Groundwater
Hercules LLC - Savannah Plant
Savannah, Georgia

Constituent [a]	Detected Concentrations			EPC [b]		Groundwater RRS [c]		EPC Greater than RRS? [d]		Vapor Intrusion Screening Level [e]	Vapor Intrusion COPC? [f]
	Minimum (mg/L)	-	Maximum (mg/L)	(mg/L)		Residential (mg/L)	Non-Residential (mg/L)	Residential (Yes/no)	Non-Residential (Yes/no)	Commercial (mg/L)	Commercial (Yes/no)
1,1-Biphenyl	0.84	-	1.4	1.4	max	0.01	0.01	YES	YES	0.14	YES
Biphenyl Ether	0.00024	-	0.27	0.27	max	0.01	0.01	YES	YES	0.15	YES
Naphthalene	0.0045	-	0.13	0.02725	max	0.02	0.03	YES	no	0.20	no

Notes:
[a] Data for all regulated substances present at maximum concentrations above the Type 1 RRS (Table H-5a).
[b] The EPC is the UCL on the average or the maximum concentration where the UCL was incalculable.
The UCLs were calculated using ProUCL (5.1.00). The UCL used is the one recommended by ProUCL (5.1.00).
EPCs marked with "max" are based on the maximum detected concentration.
[c] The Groundwater RRS for Residential Scenario is the maximum of the Type 1 RRS and the Type 2 RRS.
The Groundwater RRS for Residential Scenario is the maximum of the Type 3 and the Type 4 RRS.
[d] Constituents with EPCs greater than RRSs are identified for further evaluation.
[e] Screening levels from United States Environmental Protection Agency Vapor Intrusion Screening Levels (VISL; USEPA 2018).
Based on target hazard quotients of 1 and lifetime cancer risk of $1x10^{-5}$ (consistent with risk reduction standard methods).
[f] Constituents with concentrations greater than the VISLs were considered COPCs for the vapor intrusion pathway.

Acronyms and Abbreviations:
COPC = constituent of potential concern
EPC = exposure point concentration
mg/L = milligram per liter
RRS = Risk Reduction Standard
UCL = upper confidence limit
USEPA = United States Environmental Protection Agency
VISL = vapor intrusion screening level

References:
Johnson, P.C., and R.A. Ettinger. 1991. Heuristic model for predicting the instrusion rate of contaminant vapors in buildings. Environ. Sci. Technology. 25: 1445-1452.
USEPA. 2018. Regional Screening Levels. May. Available at: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables.

Table H-10
Toxicity Values
Hercules LLC - Savannah Plant
Savannah, Georgia

Constituent	ABS_{GI} [a]	Oral RfD (mg/kg/day) [b]				Dermal RfD (mg/kg/day) [c]		Inhalation RfC (mg/m^3) [b]				Oral CSF $(mg/kg/day)^{-1}$ [b]		Dermal CSF $(mg/kg/day)^{-1}$ [c]	Inhalation Unit Risk $(\mu g/m^3)^{-1}$ [b]	
		Subchronic		Chronic		Subchronic	Chronic	Subchronic		Chronic						
		Value	[ref]	Value	[ref]	Value	Value	Value	[ref]	Value	[ref]	Value	[ref]	Value	Value	[ref]
1,1-Biphenyl	1	5.00E-01	c	5.00E-01	I	5.0E-01	5.0E-01	4.00E-03	X	4.00E-04	X	8.00E-03	I	8.0E-03	NA	
Aniline	1	7.0E-03	c	7.0E-03	P	7.0E-03	7.0E-03	1.0E-02	H	1.0E-03	I	5.7E-03	I	5.7E-03	1.6E-06	C
Aroclor 1254	1	5.00E-05	H	2.00E-05	I	5.0E-05	2.0E-05	NA		NA		2.00E+00	S	2.0E+00	5.70E-04	S
Benzyl Alcohol	1	1.00E-01	P	1.00E-01	P	1.0E-01	1.0E-01	NA		NA		NA		NA	NA	

Notes:
[a] ABS_{GI} = Gastrointestinal track absorption factor; from USEPA 2018c or set at a default of 1.
[b] Toxicity values were obtained per USEPA hierarchy (USEPA 2003).
[c] RfD (dermal) = RfD (oral) × ABS_{GI}.
CSF (dermal) = CSF (oral) / ABS_{GI}.

Acroynms and Abbreviations:
CSF = cancer slope factor
mg/kg/day = milligram per kilogram per day
mg/m^3 = milligram per cubic meter
$(mg/kg/day)^{-1}$ = inverse milligram per kilogram per day (risk per unit dose)
$(\mu g/m3)^{-1}$ = inverse microgram per cubic meter
USEPA = United States Environmental Protection Agency
RfC = reference concentration
RfD = reference dose

References [ref]:
c = Chronic criteria used as subchronic.
C = CalEPA, Toxicity Criteria database (CalEPA 2018).
H = USEPA, Health Effects Summary Table (HEAST) (USEPA 2011).
I = USEPA, Integrated Risk Information System (IRIS) (USEPA 2018a).
P = Provisional Peer Reviewed Toxicity Values (PPRTV) (USEPA 2018b).
S = USEPA RSLs user guide (Section 5; USEPA 2018c).
X = Provisional Peer Reviewed Toxicity Values Appendix (PPRTV) (USEPA 2018b).

California Environmental Protection Agency (CalEPA). 2018. Office of Environmental Health Hazard Assessment (OEHHA). Online Toxicity Criteria Database. Available at: http://www.oehha.ca.gov/tcdb/index.asp
USEPA. 2003. Human Health Toxicity Values in Superfund Risk Assessments. Memo from Michael B. Cook. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. Office of Solid Waste and Emergency Response Directive (OSWER). Directive 9285.7-53. December.
USEPA. 2011. Health Effects Assessment Summary Tables. Office of Research and Development and Office of Emergency and Remedial Response, Washington, DC. Current as of December 2011.
USEPA. 2018a. Integrated Risk Information System (IRIS). Office of Research and Development, National Center of Environmental Assessment (NCEA).
USEPA. 2018b. Provisional Peer Reviewed Toxicity Values for Superfund (PPRTV).
USEPA. 2018c. Regional Screening Levels. May.

Table H-11
Risk and Hazard Calculations for a Hypothetical Site Worker Receptor for Exposure to Soil
Hercules LLC - Savannah Plant
Savannah, Georgia

Constituent	EPCs (mg/kg)	ABSd [a]	VF or PEF [a] (m³/kg)	CANCER RISK Route-Specific Risk Oral	Dermal	Inhalation	Calculated Risk	Percent Total ELCR	NON-CANCER HAZARD Route-Specific Hazard Oral	Dermal	Inhalation	Calculated Hazard	Percent Total HI
				ELCRo	ELCRd	ELCRi	ELCR		HQo	HQd	HQi	HI	
1,1-Biphenyl	156.1	0	1.10E+05 V	3.4E-07	–	NA	3.4E-07	15%	2.4E-04	–	7.3E-01	7.3E-01	84%
Aniline	3.3	0.1	1.36E+09 P	5.2E-09	2.2E-09	2.8E-13	7.3E-09	<1%	3.6E-04	1.5E-04	5.0E-07	5.2E-04	<1%
Aroclor 1254	2.29	0.14	1.36E+09 P	1.3E-06	7.3E-07	7.0E-11	2.0E-06	85%	8.8E-02	5.1E-02	NA	1.4E-01	16%
Total Risk or Hazard				Total ELCR			2E-06	100%	Total HI			0.9	100%

Notes:
[a] The dermal absoprtion factors (ABSd), the volatilization factor [VF], and the particulate emission factor [PEF] is from USEPA (USEPA 2015a).

Acronyms and Abbreviations:

–	not applicable	HQ	hazard quotient	NA	not available or not applicable
ELCR	excess lifetime cancer risk	m^3/kg	cubic meter per kilogram	PEF	particulate emission factor
EPCs	exposure point concentration in soil	mg/kg	milligram per kilogram	VF	volatilization factor
HI	hazard index (sum of the HQs)				

Equations:
ELCRo = (EPCs × 1 × 100 × 225 × 25 × CSFo) / (1,000,000 × 80 × 25,550)
ELCRd = (EPCs × 3,470 × 0.12 × ABSd × 225 × 25 × CSFa) / (1,000,000 × 80 × 25,550)
ELCRi = (EPCs × 8 × 0.042 ×225 × 25 × IUR × 1000) / ([VF or PEF] × 25,550)
HQo = (EPCs × 1 × 100 × 225 × 25) / (1,000,000 × 80 × 9,125 × RfDo)
HQd = (EPCs × 3,470 × 0.12 × ABSd × 225 × 25) / (1,000,000 × 80 × 9,125 × RfDa)
HQi = (EPCs × 8 × 0.042 × 225 × 25) / ([VF or PEF] × 9,125 × RfC)
Constituent-specific toxicity values (chronic non-cancer values and cancer values) are presented in Table I-10.
Variables used in equations including receptor exposure parameter are presented below.

Variable	Acronym	Value	Unit	Source
Averaging time, cancer	ATc	25,550	days	USEPA 2014c
Averaging time, non -cancer	ATnc	9,125	days	USEPA 2014c
Body weight	BW	80	kg	USEPA 2014c
Exposure time	ET	8	hrs/day	USEPA 2014c
Exposure frequency	EF	225	days/ year	USEPA 2014c
Exposure duration	ED	25	years	USEPA 2014c
Conversion factor (days/hr)	CF	0.0417	days/hr	
Ingestion rate of soil	IRs	100	mg/day	USEPA 2014c
Soil-to-skin adherence rate	SAR	0.12	mg/cm²/day	USEPA 2004
Skin surface area (soil)	SSAs	3,470	cm²	USEPA 2014c

References:
USEPA. 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment), Final. Office of Superfund Remediation and Technology Innovation, Washington, DC. OSWER 9285.7-02EP. EPA/540/R/99/005. PB99-963312. July.
USEPA. 2014. Human Health Evaluation Manual, Supplemental Guidance, Update of Standard Default Exposure Factors. February – issued April. http://www.epa.gov/oswer/riskassessment/pdf/superfund-hhexposure/OSWER-Directive-9200-1-120-ExposureFactors.pdf.

Table H-12
Risk and Hazard Calculations for a Hypothetical Construction Worker Receptor for Exposure to Soil
Hercules LLC - Savannah Plant
Savannah, Georgia

Constituent	EPCs (mg/kg)	ABSd [a]	VF *or* PEF [a] (m³/kg)	CANCER RISK Route-Specific Risk Oral	Dermal	Inhalation	Calculated Risk	Percent Total ELCR	NON-CANCER HAZARD Route-Specific Hazard Oral	Dermal	Inhalation	Calculated Hazard	Percent Total HI
				ELCRo	ELCRd	ELCRi	ELCR		HQo	HQd	HQi	HI	
1,1-Biphenyl	156.1	0	1.10E+05 V	2.6E-08	–	NA	2.6E-08	16%	9.2E-04	–	8.5E-02	8.5E-02	30%
Aniline	3.3	0.1	1.36E+09 P	3.9E-10	1.2E-10	6.6E-15	5.2E-10	<1%	1.4E-03	4.4E-04	5.8E-08	1.8E-03	<1%
Aroclor 1254	2.29	0.14	1.36E+09 P	9.6E-08	4.2E-08	1.6E-12	1.4E-07	84%	1.3E-01	5.9E-02	NA	1.9E-01	69%
Total Risk or Hazard				Total ELCR			2E-07	100%	Total HI			0.3	100%

Notes:
[a] The dermal absoprtion factors (ABSd), the volatilization factor [VF], and the particulate emission factor [PEF] is from USEPA (USEPA 2015).

Acroynms and Abbreviations:

–	not applicable	HQ	hazard quotient	NA	not available or not applicable
ELCR	excess lifetime cancer risk	m^3/kg	cubic meter per kilogram	PEF	particulate emission factor
EPCs	exposure point concentration in soil	mg/kg	milligram per kilogram	VF	volatilization factor
HI	hazard index (sum of the HQs)				

Equations:

ELCRo = (EPCs × 1 × 330 × 5 × 26 × CSFo) / (1,000,000 × 80 × 25,550)
ELCRd = (EPCs × 3,470 × 0.3 × ABSd × 5 × 26 × CSFa) / (1,000,000 × 80 × 25,550)
ELCRi = (EPCs × 8 × 0.042 × 5 × 26 × IUR × 1000) / ([VF or PEF] × 25,550)

HQo = (EPCs × 1 × 330 × 5 × 26) / (1,000,000 × 80 × 182 × RfDo)
HQd = (EPCs × 3,470 × 0.3 × ABSd × 5 × 26) / (1,000,000 × 80 × 182 × RfDa)
HQi = (EPCs × 8 × 0.042 × 5 × 26) / ([VF or PEF] × 182 × RfC)

Constituent-specific toxicity values (subchronic non-cancer values and cancer values) are presented in Table I-10.
Variables used in equations including receptor exposure parameter are presented below.

Variable	Acronym	Value	Unit	Source
Averaging time, cancer	ATc	25,550	days	USEPA 2014
Averaging time, non -cancer	ATnc	182	days	USEPA 1989
Body weight	BW	80	kg	USEPA 2014
Exposure time	ET	8	hrs/day	USEPA 2014
Exposure frequency	EFsc	5	days/week	
Exposure duration	EDsc	26	weeks	Professional Judgment
Conversion factor (days/hr)	CF	0.0417	days/hr	
Ingestion rate of soil	IRs	330	mg/day	USEPA 2014
Soil-to-skin adherence rate	SAR	0.3	mg/cm²/day	USEPA 2004
Skin surface area (soil)	SSAs	3,470	cm²	USEPA 2014

References:

USEPA. 1989. Risk Assessment Guidance for Superfund, Human Health Evaluation Manual, Volume 1, Part A. Interim Final. Office of Emergency and Remedial Response, Washington, DC.EPA/540/1-89/002. December.

USEPA. 2004. Risk Assessment Guidance for Superfund, Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment), Final. Office of Superfund Remediation and Technology Innovation, Washington, DC. OSWER 9285.7-02EP. EPA/540/R/99/005. PB99-963312. July.

USEPA. 2014. Human Health Evaluation Manual, Supplemental Guidance, Update of Standard Default Exposure Factors. February – issued April. http://www.epa.gov/oswer/riskassessment/pdf/superfund-hhexposure/OSWER-Directive-9200-1-120-ExposureFactors.pdf.

Table H-13
Julian Ettinger Vapor Intrusion Model Calculation for the Commercial Worker
Hercules LLC - Savannah Plant
Savannah, Georgia

			Biphenyl, 1,1'-	Diphenyl Ether
Source Characteristics:	**Units**	**Symbol**	**Value**	**Value**
Source medium		Source	Groundwater	Groundwater
Groundwater concentration	(ug/L)	Cmedium	1400	270
Depth below grade to water table	(m)	Ls	2.00	2.00
Average groundwater temperature	(^{o}C)	Ts	25	25
Calc: Source vapor concentration	(ug/m3)	Cs	17634	3081
Calc: % of pure component saturated vapor concentration	(%)	%Sat	23.804%	1.495%
Chemical:	**Units**	**Symbol**	**Value**	**Value**
Chemical Name		Chem	Biphenyl, 1,1'-	Diphenyl Ether
CAS No.		CAS	92-52-4	101-84-8
Toxicity Factors				
Unit risk factor	$(ug/m^3)^{-1}$	IUR	Not Available	Not Available
Mutagenic compound		Mut	No	No
Reference concentration	(ug/m^3)	RfC	4.00E-04	4.00E-04
Chemical Properties:	**Units**	**Symbol**	**Value**	**Value**
Pure component water solubility	(mg/L)	S	7.48E+00	1.80E+01
Henry's Law Constant @ 25°C	$(atm\text{-}m^3/mol)$	Hc	3.08E-04	2.79E-04
Calc: Henry's Law Constant @ 25°C	(dimensionless)	Hr	1.26E-02	1.14E-02
Calc: Henry's Law Constant @ system temperature	(dimensionless)	Hs	1.26E-02	1.14E-02
Diffusivity in air	(cm2/s)	Dair	4.71E-02	3.97E-02
Diffusivity in water	(cm2/s)	Dwater	7.56E-06	7.23E-06
Building Characteristics:	**Units**	**Symbol**	**Value**	**Value**
Building setting		Bldg_Setting	Commercial	Commercial
Foundation type		Found_Type	Slab-on-grade	Slab-on-grade
Depth below grade to base of foundation	(m)	Lb	0.20	0.20
Foundation thickness	(m)	Lf	0.20	0.20
Fraction of foundation area with cracks	(-)	eta	0.001	0.001
Enclosed space floor area	(m2)	Ab	1500.00	1500.00
Enclosed space mixing height	(m)	Hb	3.00	3.00
Indoor air exchange rate	(1/hr)	ach	1.50	1.50
Qsoil/Qbuilding	(-)	Qsoil_Qb	0.0030	0.0030
Calc: Building ventilation rate	(m3/hr)	Qb	6750.00	6750.00
Calc: Average vapor flow rate into building	(m3/hr)	Qsoil	20.25	20.25

Table H-13
Julian Ettinger Vapor Intrusion Model Calculation for the Commercial Worker
Hercules LLC - Savannah Plant
Savannah, Georgia

			Biphenyl, 1,1'-	Diphenyl Ether
Vadose zone characteristics:	**Units**	**Symbol**	**Value**	**Value**
Stratum A (Top of soil profile):				
Stratum A SCS soil type		SCS_A	Sand	Sand
Stratum A thickness (from surface)	(m)	hSA	2.00	2.00
Stratum A total porosity	(-)	nSA	0.375	0.375
Stratum A water-filled porosity	(-)	nwSA	0.054	0.054
Stratum A bulk density	(g/cm^3)	rhoSA	1.660	1.660
Stratum B (Soil layer below Stratum A):				
Stratum B SCS soil type		SCS_B	Not Present	Not Present
Stratum B thickness	(m)	hSB	0.00	0.00
Stratum B total porosity	(-)	nSB		
Stratum B water-filled porosity	(-)	nwSB		
Stratum B bulk density	(g/cm^3)	rhoSB		
Stratum C (Soil layer below Stratum B):				
Stratum C SCS soil type		SCS_C	Not Present	Not Present
Stratum C thickness	(m)	hSC	0.00	0.00
Stratum C total porosity	(-)	nSC		
Stratum C water-filled porosity	(-)	nwSC		
Stratum C bulk density	(g/cm^3)	rhoSC		
Stratum directly above the water table				
Stratum A, B, or C		src_soil	Stratum A	Stratum A
Height of capillary fringe	(m)	hcz	0.170	0.170
Capillary zone total porosity	(-)	ncz	0.375	0.375
Capillary zone water filled porosity	(-)	nwcz	0.253	0.253
Exposure Parameters:	**Units**	**Symbol**	**Value**	**Value**
Target risk for carcinogens	(-)	Target_CR	1.00E-06	1.00E-06
Target hazard quotient for non-carcinogens	(-)	Target_HQ	1	1
Exposure Scenario		Scenario	Commercial	Commercial
Averaging time for carcinogens	(yrs)	ATc	70	70
Averaging time for non-carcinogens	(yrs)	ATnc	25	25
Exposure duration	(yrs)	ED	25	25
Exposure frequency	(days/yr)	EF	250	250
Exposure time	(hrs/24 hrs)	ET	8	8
Mutagenic mode-of-action factor	(yrs)	MMOAF	72	72
Source to Indoor Air Attenuation Factor	**Units**	**Symbol**	**Value**	**Value**
Groundwater to indoor air attenuation coefficient	**(-)**	**alpha**	**1.1E-04**	**9.6E-05**
		Range	5.4E-05 - 1.2E-04	5.0E-05 - 9.9E-05
Predicted Indoor Air Concentration			**Value**	**Value**
Indoor air concentration due to vapor intrusion	**(ug/m3)**	**Cia**	**2.0E+00**	**3.0E-01**
		Range	9.4E-01 - 2.0E+00	1.5E-01 - 3.1E-01
	(ppbv)	**Cia**	**3.1E-01**	**4.3E-02**
		Range	1.5E-01 - 3.2E-01	2.2E-02 - 4.4E-02
Predicted Vapor Concentration Beneath the Foundation			**Value**	**Value**
Subslab vapor concentration	**(ug/m3)**	**Css**	**6.5E+02**	**9.9E+01**
		Range	4.1E+01 - 9.4E+03	6.1E+00 - 1.5E+03
	(ppbv)	**Css**	**1.0E+02**	**1.4E+01**
		Range	6.4E+00 - 1.5E+03	8.8E-01 - 2.2E+02

Table H-13
Julian Ettinger Vapor Intrusion Model Calculation for the Commercial Worker
Hercules LLC - Savannah Plant
Savannah, Georgia

			Biphenyl, 1,1'-	Diphenyl Ether
Diffusive Transport Upward Through Vadose Zone			**Value**	**Value**
Effective diffusion coefficient through Stratum A	(cm2/sec)	DeffA	7.6E-03	6.4E-03
Effective diffusion coefficient through Stratum B	(cm2/sec)	DeffB		
Effective diffusion coefficient through Stratum C	(cm2/sec)	DeffC		
Effective diffusion coefficient through capillary zone	(cm2/sec)	DeffCZ	3.5E-04	3.0E-04
Effective diffusion coefficient through unsaturated zone	(cm2/sec)	DeffT	2.5E-03	2.2E-03
Critical Parameters			**Value**	**Value**
a for diffusive transport from source to building with	(-)	A_Param	1.2E-04	9.9E-05
Pe (Peclet Number) for transport through the foundation	(-)	B_Param	9.7E+02	1.1E+03
a for convective transport from subslab to building	(-)	C_Param	3.0E-03	3.0E-03
			1.1E+03	
Interpretation				
			Advection is the dominant mechanism across the foundation. Diffusion through soil is the overall rate limiting process.	Advection is the dominant mechanism across the foundation. Diffusion through soil is the overall rate limiting process.
Critical Parameters				
			Hb, Ls, DeffT, ach	Hb, Ls, DeffT, ach
Non-Critical Parameters				
			Qsoil_Qb, Lf, DeffA, eta	Qsoil_Qb, Lf, DeffA, eta
Risk Calculations	**Units**	**Symbol**	**Value**	**Value**
Risk-Based Target Screening Levels				
Target risk for carcinogens	(-)	Target_CR	1E-06	1E-06
Target hazard quotient for noncarcinogens	(-)	Target_HQ	1	1
Target indoor air concentration	**(ug/m3)**	**Target_IA**	**1.75E+00**	**1.75E+00**
	(ppbv)	**Target_IA**	**2.78E-01**	**2.52E-01**
Target groundwater concentration	**(ug/L)**	**Target_GW**	**1.25E+03**	**1.59E+03**
Incremental Risk Estimates				
Incremental cancer risk from vapor intrusion	**(-)**	**Cancer_Risk**	**No IUR**	**No IUR**
		Range	-	-
Hazard quotient from vapor intrusion	**(-)**	**HQ**	**1.1**	**0.2**
		Range	5.4E-01 - 1.2E+00	8.8E-02 - 1.7E-01
			8.8E-02 - 1.7E-01	
			6.0E-01 - 3.0E+00	

Acronyms and Abbreviations:

°C = degrees Celsius
cm^2/sec = square centimeter per second
days/yr = days per year
g/cm^3 = gram per cubic centimeter
hr = hour
hrs/24 hrs = hours per 24 hours
m = meter
m^2 = square meter
m^3/hr = cubic meter per hour
mg/L = milligram per liter
µg/L = microgram per liter
µg/m^3 = microgram per cubic meter
$(\mu g/m^3)^{-1}$ = inverse microgram per cubic meter
ppbv = parts per billion by volume
yrs = years

Table H-14
Threatened and Endangered Species
Hercules LLC - Savannah Plant
Savannah, Georgia

Group	Common Name	Species	Status	Notes
Amphibians	Frosted flatwoods salamander	*Ambystoma cingulatum*	Threatened	The small open channel section of Dundee Canal at southern survey boundary provides suitable habitat. This species determined as absent from the survey area due to heavy presence of predatory fish within canal waters & lack of sufficient cover within/surrounding the fire water pond.
Birds	Red-cockaded woodpecker	*Picoides borealis*	Endangered	No suitable nesting/foraging habitat observed within or adjacent to site.
Birds	Wood stork	*Mycteria americana*	Threatened	No suitable migratory 'stop-over' or foraging habitat observed within site.
Birds	Piping Plover	*Charadrius melodus*	Threatened	No suitable nesting/foraging habitat observed within/adjacent to site.
Flowering Plants	Pondberry	*Lindera melissifolia*	Endangered	The potential wetland area associated with the small open channel section of Dundee Canal at southern survey boundary may provide suitable habitat. A formal field survey of this area would need to be performed to establish presence/absence potential.
Mammals	West Indian Manatee	*Trichechus manatus*	Endangered	No suitable habitat observed within/adjacent to site.
Reptiles	Hawksbill sea turtle		Endangered	No suitable habitat observed within/adjacent to site.
Reptiles	Leatherback sea turtle	*Dermochelys coriacea*	Endangered	No suitable habitat observed within/adjacent to site.
Reptiles	Kemp's ridley sea turtle	*Lepidochelys kempii*	Endangered	No suitable habitat observed within/adjacent to site.
Reptiles	Green sea turtle	*Chelonia mydas*	Threatened	No suitable habitat observed within/adjacent to site.
Reptiles	Loggerhead sea turtle	*Caretta caretta*	Threatened	No suitable habitat observed within/adjacent to site.
Reptiles	Gopher tortoise	*Gopherus polyphemus*	Candidate	No ESA protection provided to candidate species. Suitable habitat observed within the site, but the perimeter fencing of site currently prevents occurrence of this species within the survey area.
IPAC Listed Species - Not Listed by Official USFWS ECOS List for Chatham County, GA				
Birds IPAC	Red Knot	*Calidris canutus rufa*	Threatened	This species nests north of the Artic Circle. No suitable breeding or nonbreeding habitat observed within/adjacent to site.
Reptiles IPAC	Eastern Indigo snake	*Drymarchon corais couperi*	Threatened	Preferred habitat not observed within/adjacent to site. This species' presence is highly correlated to presence of gopher tortoise burrows.
Fishes IPAC	Atlantic sturgeon	*Acipenser oxyrinchus oxyrinchus*	Endangered	No suitable habitat observed within/adjacent to site.
Fishes IPAC	Shortnose sturgeon	*Acipenser brevirostrum*	Endangered	No suitable habitat observed within/adjacent to site.
Mammals IPAC	North Atlantic Right Whale	*Eubalaena glacialis*	Endangered	No suitable habitat observed within/adjacent to site.

Notes:

ECOS = Environmental Conservation Online System

ESA = Endangered Species Act

IPAC = Information, Planning and Conservation System

USFWS = United States Fish and Wildlife Service

Table H-15
Selection of Constituents of Potential Ecological Concern for Sediment
Hercules LLC - Savannah Plant
Savannah, Georgia

Regulated Substance [a]	Frequency of Detection				Detection Limit			Detected Concentration			Maximum Concentration: Location (Date)	Ecological Screening Value (ESV) [b]		Maximum Greater than ESV? [c]	Alternative Screening Value (ASV) [d]	Maximum Greater than ASV? [e]
	Number of Detections		Number of Samples	(%) FOD	Minimum (mg/kg)	-	Maximum (mg/kg)	Minimum (mg/kg)	-	Maximum (mg/kg)		(mg/kg)	source	(Yes/no)	(mg/kg)	(Yes/no)
Acetone	1	/	3	33	0.048	-	0.056	0.1	-	0.1	SED-2 (8/28/2014)	0.065	R4	YES	38.133	no
2,3,7,8-TCDD TEQ	3	/	3	100	--	-	--	0.000009	-	0.00007	SED-2 (8/28/2014)	0.0000025	R4	YES	0.000025	YES

Notes:
[a] Only detected constituents are presented.
[b] ESVs are from the USEPA Region 4 Ecological Risk Assessment Supplemental Guidance (USEPA 2018).
[c] Constituents with maximum concentrations greater than the ESV are identified as potential COPECs for further evaluation.
[d] ASVs are refinement screening values from the USEPA Region 4 Ecological Risk Assessment Supplemental Guidance (USEPA 2018).
[e] Constituents with maximum concentrations greater than the ASV are identified as refined COPECs.

Acronyms and Abbreviations:
-- = not applicable
ASV = alternative screening values
COPC = constituent of potential concern
ESV = ecological screening values
mg/kg = milligram per kilogram
TCDD = 2,3,7,8-Tetrachlorodibenzo-p-dioxin
TEQ = toxicity equivalent quotient
USEPA = United States Environmental Protection Agency

References:
USEPA. 2018. Region 4 Ecological Risk Assessment Supplemental Guidance. Scientific Support Section, Superfund Division. Atlanta, GA. March.

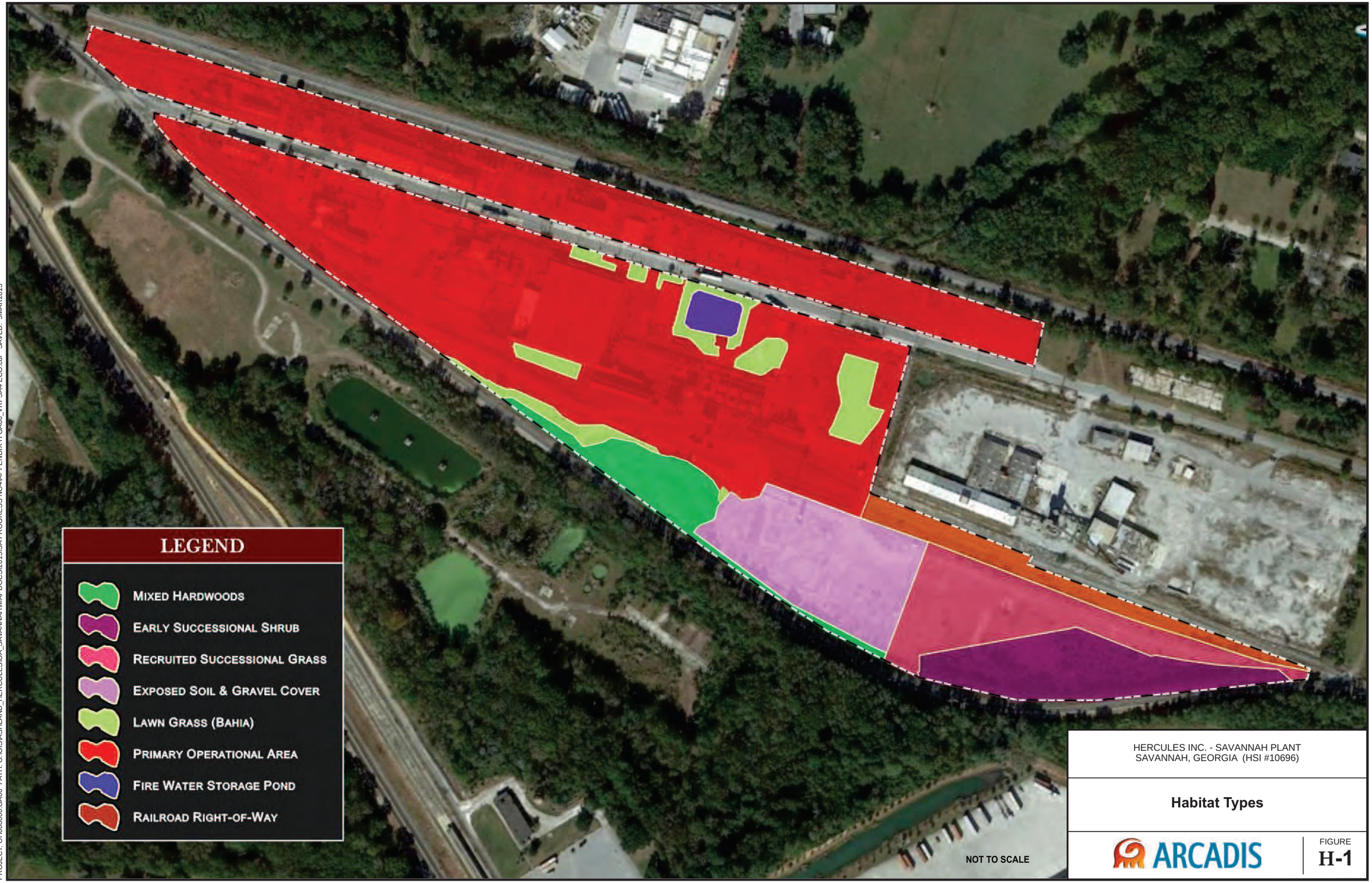
Table H-16
Selection of Constituents of Potential Ecological Concern for Surface Water
Hercules LLC - Savannah Plant
Savannah, Georgia

Regulated Substance [a]	Frequency of Detection				Detection Limit			Detected Concentration			Maximum Concentration: Location (Date)	ESV [b]		Maximum Greater than ESV? [c]	ASV [d]	Maximum Greater than ASV? [e]
	Number of Detections		Number of Samples	(%) FOD	Minimum (mg/L)	-	Maximum (mg/L)	Minimum (mg/L)	-	Maximum (mg/L)		(mg/L)	source	(Yes/no)	(mg/L)	(Yes/no)
Ammonia (as N)	3	/	3	100	--	-	--	0.13	-	0.32	SW-01 (8/28/2014)	0.019	R3	YES	1.9	no
Fluoride	3	/	3	100	--	-	--	0.16	-	0.53	SW-03 (8/28/2014)	2.7	R4	no	–	–
N-Nitrosodi-n-butylamine	1	/	3	33	0.00098	-	0.001	0.078	-	0.078	SW-02 (8/28/2014)	NA		–	NA	–

Notes:
[a] Only detected constituents are presented.
[b] ESVs were identified from the following sources in order of priority:
Georgia's Water Quality Standards. 391-3-6. Water Use Classifications and Water Quality Standards (GAEPD 2015).
USEPA Region 4 Ecological Screening Values (R4; USEPA 2018).
USEPA Region 3 Ecological Screening Values (R3; USEPA 2006).
[c] Constituents with maximum concentrations greater than the ESV are identified as potential COPECs for further evaluation.
[d] The ASV for ammonia is the USEPA Chronic Aquatic Life Ambient Water Quality Criterion at a pH of 7 and a water temperature of 20°C (USEPA 2013).
[e] Constituents with maximum concentrations greater than the ASV are identified as refined COPECs.

Acronyms and Abbreviations:
-- = not applicable
ASV = alternative screening values
COPC = constituent of potential concern
ESV = ecological screening value
FOD = frequency of detection
GA EPD = Georgia Environmental Protection Division
mg/L = milligram per liter
NA = not available
USEPA = United States Environmental Protection Agency

References:
GA EPD. 2015. Rules and Regulations for Water Quality Control Chapter 391-3-6-.03 (revised 2015).
USEPA. 2006. Ecological Risk Assessment. Region 3, Ecological Risk Assessment. Freshwater Screening Benchmarks.
USEPA. 2013. Aquatic Life Ambient Water Quality Criteria for Ammonia - Freshwater. Office of Water. EPA 822-R-13-001. April.
USEPA. 2018. Region 4 Ecological Risk Assessment Supplemental Guidance. Scientific Support Section, Superfund Division. Atlanta, GA. March.



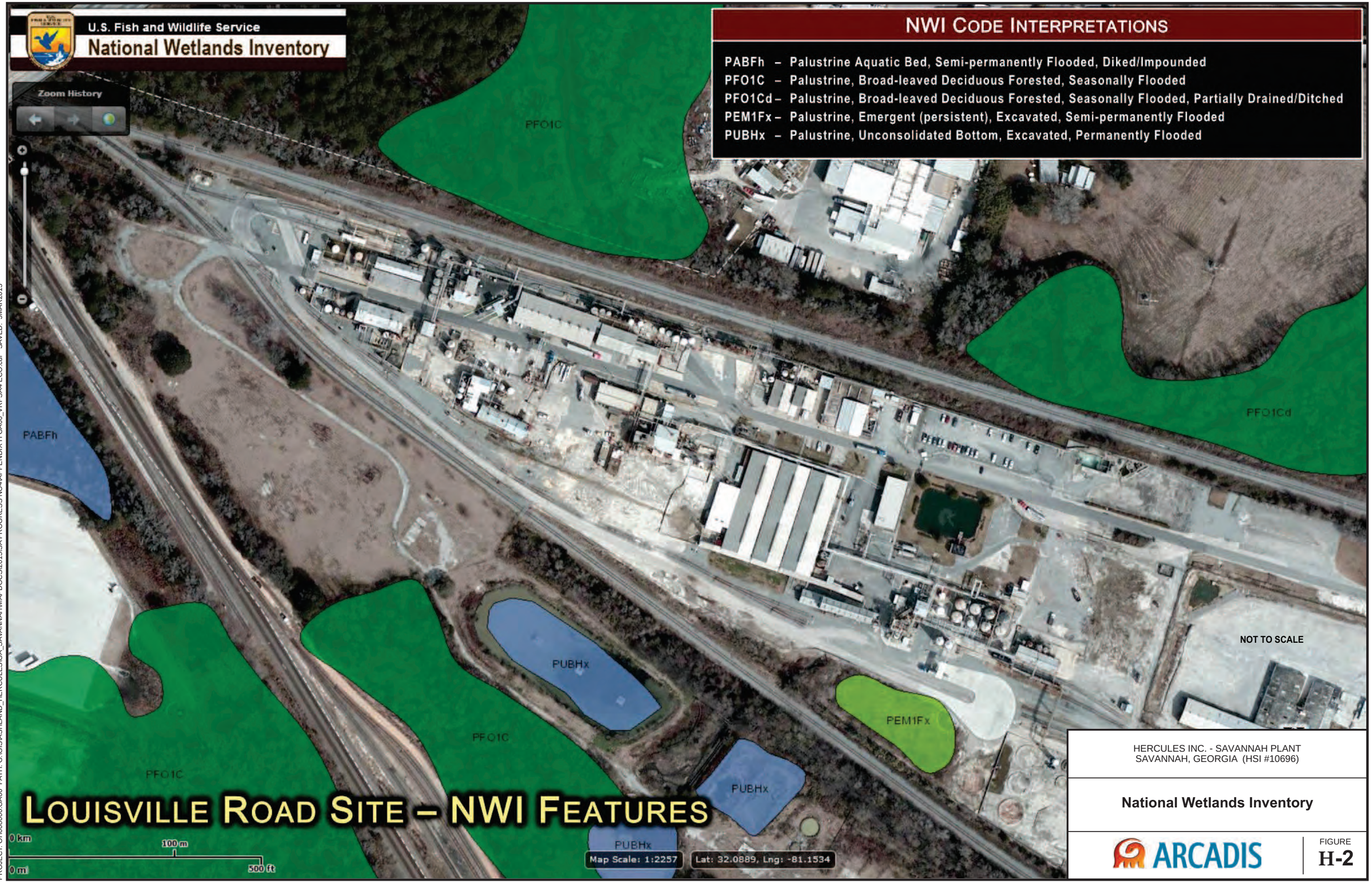
HERCULES INC. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

Habitat Types

ARCADIS

FIGURE
H-1

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: T.SCHLEKAT BY: BALTOM
PROJECT: OH008000.GA60 PATH: G:\GISASHLAND_HERCULESGA_SAVANNAH\MAPDOCS\2015\SA PROGRESS NO4\APPENDIX H GA60_VRPSA4 ECO.cdr SAVED: 5MAR2015



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

National Wetlands Inventory

ARCADIS

FIGURE
H-2

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: T.SCHLEKAT BY: BALTOM
PROJECT: OH008000.GA60 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2015\SA PROGRESS NO4\APPENDIX H GA60_VRPSA4 ECO.cdr SAVED: 5MAR2015

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

Dundee Canal

ARCADIS

FIGURE
H-3

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: T.SCHLEKAT BY: BALTOM
PROJECT: OH008000.GA60 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2015\SA PROGRESS NO4\APPENDIX H GA60_VRPSA4 ECO.cdr SAVED: 5MAR2015

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No. 1

Date: 08/26/14

Description:

Snails observed at the Dundee Canal/Process Water Outfall. These snails belong to the Lymnaeidae family, and the species is likely *Lymnaea columella.*

ARCADIS

PHOTO LOG

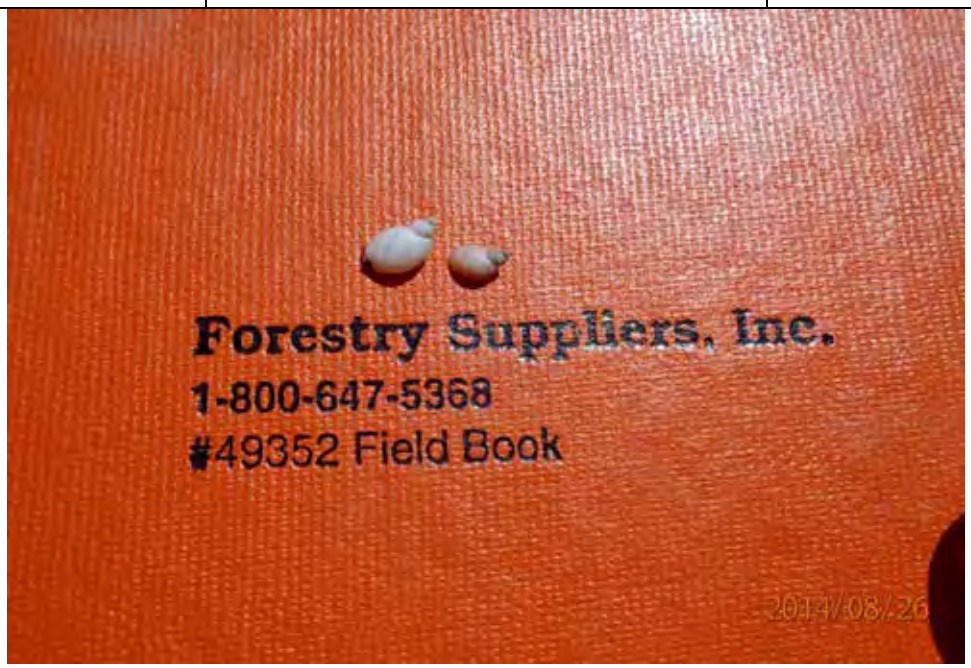
Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No. 2

Date: 08/26/14

Description:

Example specimens of observed Lymnaeidae snails



ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
3	08/26/14

Description:

View of conditions inside the Dundee Canal/Process Water mixing/outfall structure. Flora dominated by duck potato (*Sagittaria lancifolia*). Two manual gates can also be seen.

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
4	08/26/14

Description:

Example of bream bead observed w/in the Dundee Canal/Process Water mixing/outfall structure

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
5	08/26/14

Description:

View of the Process Water outfall into the Dundee Canal/Process Water mixing/outfall structure

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
6	08/26/14

Description:

NW overview of the fire water pond located *S* of the main gate to facility

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
7	08/26/14

Description:

Example view of fire pond water conditions & the two pond drainage/overflow culvert inlets that discharge to Dundee Canal

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
8	08/26/14

Description:

Example of signage provided to grate-covered access structures (total of 3) of the subsurface Dundee Canal/stormwater conveyance pipe

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
9	08/26/14

Description:

Looking *NE* along downstream segment of the subsurface Dundee Canal/stormwater pipe from near midpoint of drainage pipe system. View is looking toward the WWTF & Dundee Canal/Process Water outfall.

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
10	08/26/14

Description:

Looking *W* over the loading dock area catch basin that drains to the Dundee Canal pipe ~225 LF downstream of the Dundee Canal pipe/culvert inlet. Box structure receiving stormwater from this area is equipped with a manual valve maintained in the closed position.

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
11	08/26/14

Description:

View of subsurface Dundee Canal pipe box structure mentioned by Photo 129

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No.	Date:
12	08/26/14

Description:

Example of water conditions w/in Dundee Canal pipe box structure mentioned by Photo 129

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No. 13 | **Date:** 08/26/14

Description:

View of water condition at the Dundee Canal inlet pipe

ARCADIS

PHOTO LOG

Project Name:	Location:	Project No.
Louisville Road Habitat Assessment Photo Log	Savannah, GA	OH008000.GA60

Photo No. 14 | **Date:** 08/26/14

Description:

SW view of conditions at the Dundee Canal inlet pipe located outside the southern facility fence line

APPENDIX I

Water Well Survey – 2012

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@email.com
SPIRES, SHARON	ADM CONTACT-OPR	EC	813-763-3068	POB 2926, SAVANNAH, GA-31402-2926	ss2010ecs@email.com
SPIRES, SHARON	ADM CONTACT-OPR	LE	813-763-3068	POB 2926, SAVANNAH, GA-31402-2926	ss2010ecs@email.com
SPIRES, SHARON	ADM CONTACT-OPR	LC	813-763-3068	POB 2926, SAVANNAH, GA-31402-2926	ss2010ecs@email.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

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

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