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Hercules Incorporated

VOLUNTARY INVESTIGATION AND REMEDIATION PLAN – SEMIANNUAL PROGRESS REPORT #6

Hercules Incorporated
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Savannah, Georgia

April 6, 2016

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OH009000.GA60

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April 6, 2016

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Ashland Inc. Environmental Remediation – Hercules Inc. (Savannah) Georgia
Facility Name

Voluntary Investigation and Remediation Plan Semiannual Progress Report #6
Document Title

Georgia EPD HSI Site #10696

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David M. Wilderman, PG
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CONTENTS

1 Introduction 1

2 Site History 1

3 Summary of Work Completed this Period 2

3.1 Hydraulic Gradient 3

3.2 Groundwater Sample Data Summary 3

3.2.1 Groundwater Sample Methodology 3

3.2.2 Groundwater Sampling Results 4

3.3 Soil Investigation Summary 4

3.3.1 Soil Sample Methodology 5

3.3.2 August 2015 Soil Sampling Rationale Summary 6

3.3.2.1 1,1-Biphenyl Delineation 6

3.3.2.2 Aniline Delineation 6

3.3.2.3 Polychlorinated Biphenyls (PCBs) Delineation 6

3.3.2.4 Soil pH Investigation in Former Size Tank Area 7

3.3.3 Soil Sampling Results 7

3.3.3.1 1,1-Biphenyl 7

3.3.3.2 Aniline 7

3.3.3.3 PCBs 8

3.4 Delineation Status 8

3.4.1 Groundwater 8

3.4.2 Soil 8

4 Updated Conceptual Site Model 9

4.1 Contaminants of Potential Concern 10

5 Remediation 10

5.1 Soil 10

5.2 Groundwater 10

6 Status of Proposed Future Work 10

6.1 Groundwater Modeling 10

6.2 Semiannual Groundwater Monitoring 10

6.3 Additional Soil Delineation 11
7 Schedule 11
8 Reporting 11
9 References 11

TABLES

Table 1a Soil and Groundwater Delineation Standards
Table 1b Groundwater Cleanup Standards
Table 1c Soil Cleanup Standards
Table 2 Well Construction
Table 3 Groundwater Elevation Data
Table 4 Groundwater Analytical Summary
Table 5a Groundwater Analytical Data, VOCs and SVOCs, November 2015
Table 5b Groundwater Analytical Data, PCBs, November 2015
Table 5c Groundwater Analytical Data, ACM, November 2015
Table 6 Soil Analytical Summary - August 2015 Investigation
Table 7a Historical and Recent Soil Analytical Results, VOCs
Table 7b Historical and Recent Soil Analytical Results, SVOCs
Table 7c Historical and Recent Soil Analytical Results, PCBs
Table 7d Historical and Recent Soil Analytical Results, Pesticides
Table 7e Soil pH Field Measurements

FIGURES

Figure 1 Site Location Map
Figure 2 Site Layout – Aerial View
Figure 3 Site Map with Monitoring Well Locations
Figure 4 Sample Locations
Figure 5 Shallow Potentiometric Surface Map – November 2, 2015
Figure 6a Regulated Constituents in Groundwater (Shallow Aquifer), November 2015
Figure 6b Regulated Constituents in Groundwater (Deep Aquifer), November 2015

Figure 7 1,1-Biphenyl Delineation in Soil

Figure 8 PCB Delineation in Soil

Figure 9 Geologic Cross-Section Locations

Figure 10 Distribution of Select Constituents Along Cross-Section A-A'

Figure 11 Distribution of Select Constituents Along Cross-Section B-B'

Figure 12 Distribution of Select Constituents Along Cross-Section C-C'

Figure 13 Updated Voluntary Remediation Program Milestone Schedule

APPENDICES

A Tax Parcel Map & Hercules Survey (Connor and Associates (March 2001)

B Purging and Sample Logs

C Laboratory Analytical Reports

D Soil Boring Logs

1 INTRODUCTION

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

Hercules Incorporated (Hercules), a wholly owned subsidiary of Ashland Inc., sold its water technologies business and its associated assets to Solenis International, L.P. (Solenis) on July 31, 2014. Accordingly, Solenis is now the owner and operator of the facility located at 3000 Louisville Road, Savannah, Georgia. Hercules, however, retains responsibility for the remediation activities at the site relating to matters that occurred prior to the sale date. The facility is comprised of 14 separately deeded parcels of land (approximately 32.5 acres) bordered by railroad tracks, wetlands, and industrial and residential properties. Two of the 14 property parcels (Parcel ID No. 2 0734 01 001 and Parcel ID No. 2 0734 03 001), comprising 29.09 acres, are the two approved properties in the Voluntary Remediation Program (VRP) and are currently included on the Hazardous Site Inventory (HSI) as ID No. 10696. Hercules has evaluated the ownership of land within the boundaries of the facility where right-of-ways, easements, and/or reconfiguration of properties have occurred since the original deed was filed. Data obtained during this review confirm that Hercules retains ownership of the remediation efforts for the two parcels as shown on **Figure 1**, which depicts the location of the Hercules land tracts superimposed on a topographic map of the area. The term “site” is used throughout this report to refer to the two tracts that comprise HSI ID No. 10696 that are owned by Solenis but whose current environmental remediation requirements are managed by Hercules. **Figure 2** illustrates the qualifying property boundaries and abutting properties and **Figure 3** provides an aerial view of the VRP properties. **Figure 4** illustrates the layout of the VRP properties and monitoring well locations. A tax parcel map illustrating specific information on land tracks and ownership is provided in **Appendix A** along with the Connor Survey that was provided by Hercules to more accurately illustrate on maps provided in this report the extent of the property they sold to Solenis in 2014.

2 SITE HISTORY

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

- GAEPD determined on March 9, 2001 a release occurred at the facility. This determination was based upon information provided within release notifications dated June 15, 2000 (caustic release in the Size Tank Farm Area), July 13, 2000 (asbestos and benzene in the 50s Tank Area), and August 11, 2000 (acrolein release in the Hard Resins Area), and subsequently the plant was placed on the Georgia HSI.

- Hercules submitted an amended release notification on March 9, 2001, documenting removal actions completed in the Hard Resins Area for acrolein-contaminated soil and providing additional analytical data gathered during the 2001 Phase II investigation.
- Multiple Compliance Status Report (CSR) documents have been submitted between 2002 and 2009.
- A Corrective Action Plan (CAP) was submitted in 2008.
- A response to EPD's comments on the March 2009 CSR was submitted in February 2011 (Arcadis, 2011).
- A VIRP was submitted in lieu of a Revised CAP on April 9, 2012 (Arcadis, 2012).
- The VIRP application was approved by EPD on March 15, 2013.
- The First Progress Report was submitted via email on December 10, 2013.
- The Second Progress Report was submitted on March 15, 2014.
- The Third Progress Report was submitted on September 15, 2014.
- The Fourth Progress Report was submitted on March 30, 2015.
- The Fifth Progress Report was submitted on October 6, 2015.

During the various subsurface investigations, regulated substances have been detected in site groundwater and soil. In addition, trace concentrations of regulated substances have been detected in surface water and sediment samples collected from Dundee Canal located downstream from the site. A list of regulated substances detected at the site along with the applicable delineation standards was provided in the VIRP. The EPD provided revised Risk Reduction Standards (RRSs) to Hercules following the submittal of the VIRP in a letter dated January 10, 2014. Hercules intends to use these RRSs for the VRP properties for delineation and cleanup standards. The approved RRSs are provided in **Table 1a** (Soil and Groundwater Delineation Standards), **Table 1B** (Groundwater Risk Reduction Standards), and **Table 1c** (Soil Risk Reduction Standards).

3 SUMMARY OF WORK COMPLETED THIS PERIOD

The work performed at the site during this period involved the following actions:

1. Collected water-level measurements from 36 wells.
2. Collected groundwater samples from six wells for laboratory analysis of volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B and semivolatile organic compounds (SVOCs) by USEPA Method 8270D.
3. Collected groundwater samples from one well for polychlorinated biphenyls (PCBs) by USEPA Method 8082A (including 1262 and 1268) and USEPA Method 1668B.
4. Collected groundwater sample from one well for asbestos-containing material (ACM) by USEPA Method 100.2.

5. Additional soil samples were collected the week of August 10, 2015 to delineate regulated substances (i.e., Aniline, 1,1-Biphenyl, PCBs) and soil pH associated with historical sample analyses as outlined in the VIRP and, in the former Dowtherm® area, to better define the extent of regulated substances in soil in this potential source area.

Details of data collected and interpretations of the groundwater sampling and water-level data (tasks 1 through 4) and data from the soil investigation activities (task 5) are provided in the following sections of this Progress Report. Groundwater and soil sample locations are presented on **Figure 4**.

3.1 Hydraulic Gradient

The static depth to water was measured in all accessible site wells on November 2, 2015. These measurements were used to develop a potentiometric surface contour map for the shallow water unit and to calculate a hydraulic gradient. The general groundwater flow direction based on these measurements was convergent toward Dundee Canal, which is consistent with historical data. The hydraulic gradient was calculated from potentiometric surface elevations of wells located perpendicular to groundwater flow from both sides of Dundee Canal. The average hydraulic gradient is 0.007 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. On the east side of Dundee Canal, the hydraulic gradient is 0.007 ft/ft as calculated from monitoring wells MW-F9 and MW-F5. Well construction details are provided in **Table 2** and a summary of water level elevations are provided in **Table 3**. A potentiometric surface contour map is provided as **Figure 5**.

3.2 Groundwater Sample Data Summary

Semiannual groundwater sampling was conducted in November 2015 and semiannual sampling will continue until compliance with final cleanup standards is demonstrated for two years or until the director of the VRPA and to Hercules agree to terminate the monitoring program. The semiannual monitoring program includes collecting water-level measurements from 36 onsite wells and collecting groundwater samples from the following monitoring wells: MW-F3R, MW-F5, MW-F7, MW-F15, MW-F21, MW-27, MW-29, and MWD-30.

3.2.1 Groundwater Sample Methodology

Well purging and sampling methods utilized 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 March 6, 2013, 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 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 did not exceed the recharge rate of the aquifers monitored 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 achieved when the pH, specific conductance, and temperature of the

groundwater had stabilized and the turbidity had either stabilized or was below 10 Nephelometric Turbidity Units (NTUs) (twice the Primary Drinking Water Standard of 5 NTUs).

Stabilization occurred when pH measurements remained constant within 0.1 Standard Unit (S.U.), specific conductance varies no more than 5 percent, and the temperature was constant to within 1 degree Celsius (°C) for at least three consecutive readings. 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 4.71 to 7.46 S.U. Well purging and sampling logs from the November 2015 monitoring event are provided as **Appendix B**.

The groundwater samples collected in November 2015 were analyzed for VOCs by USEPA Method 8260B and SVOCs by USEPA Method 8270D in monitoring wells MW-F5, MW-F7, MW-F21, MW-27, MW-29, and MWD-30. Monitoring well MW-F3R was sampled for PCBs analysis by USEPA Methods 8082A (including Aroclor 1262 and 1268) and biphenyl congeners analysis using USEPA Method 1668B. Monitoring well MW-F15 was sampled for ACM by USEPA Method 100.2 during the November 2015 monitoring event in lieu of well MW-F8 to better reflect groundwater conditions downgradient of the ACM area. **Table 4** provides a summary of laboratory analyses performed on groundwater samples.

3.2.2 Groundwater Sampling Results

Analytical results from the November 2015 groundwater sampling event indicate a very limited distribution of COCs at the site. A summary of groundwater results from the November 2015 semi-annual monitoring event for the shallow and deep aquifers is illustrated on **Figures 6a** and **6b**, respectively. Analytical summary tables are provided in **Table 5a** (VOCs and SVOCs), Table 5b (PCBs), and Table 5c (Asbestos), and laboratory analytical reports are included in **Appendix C**.

Laboratory analyses indicate that trace concentrations of VOC and SVOC compounds were present in several groundwater samples but all, except naphthalene at one location, were below the Type 1 RRS. Naphthalene was detected at 38 micrograms per liter (µg/L) in the sample collected from MW-F21; exceeding the Type 1 RRS of 20 µg/L by less than a factor of 2. Deep aquifer monitoring well MWD-30 is below detection limits for all analyzed constituents.

3.3 Soil Investigation Summary

Additional soil sampling was conducted in August 2015 to delineate the extent of regulated substances in soil observed in the August 2014 analytical results presented in Progress Report #4 and to investigate the extent of potential Dowtherm® constituents in soil that were identified in the August 2007 S&ME Soil Excavation and Sampling report. Proposed soil sampling locations, analytical parameters, and sample location rationale were summarized in Progress Report #4, Section 3.5.3. The following sections outline the sampling methodology used during the August 2015 investigation. A summary of the analytical results obtained from this effort is also provided in this section.

On August 10, 2015 Arcadis personnel mobilized to the site to delineate the extent of known 1,1-biphenyl, PCB, and aniline constituent concentrations above Type 1 and Type 4 RRSs as discussed in Progress Report #4. Soil samples were also collected for aniline from two locations where the laboratory detection limit was elevated above the RRS. Additional soil samples were also collected at select locations in the

former Dowtherm® area located on the northeast portion of the facility to assess current conditions and samples were also collected from a location where historically elevated soil pH was observed in the past; potentially associated with a caustic spill. Soil samples were collected from surface and subsurface soils using a hand auger at a total of 51 boring locations across the site. ARCADIS demobilized from the site on August 15, 2015 following the completion of field activities.

3.3.1 Soil Sample Methodology

Soil sampling locations were selected to provide delineation of regulated substances at concentrations above Type 1 or Type 2 RRSs. One soil sample was collected from the zero to 2-foot interval at each sampling location to evaluate the potential for regulated substances in surface soil. Subsequent soil samples were collected at 2-foot increments through the unsaturated (vadose) zone as determined by the field geologist. Soil moisture and lithology data were recorded in the field from the ground surface to the top of the apparent water table as determined by visual inspection of the soil cuttings removed from the borehole. The thickness of the capillary fringe varies considerably across the facility and is dependent primarily on the type of soil and the sampling location's proximity to Dundee Canal. The unsaturated soil column ranged in thickness from approximately 1.8 feet to 5 feet based on observations made in the field.

Soil boring locations were located by measuring the distance to two known locations identifiable on a site map and/or by a handheld global positioning system (GPS) unit. Additionally, sample locations were photo-documented from at least two vantage points once the soils samples were collected.

Soil samples were collected using a decontaminated steel hand auger in accordance with the USEPA SESDPROC-300-R1 for Soil Sampling SOP. A portion of the soil sample was placed inside a sealable plastic bag and field-screened with an organic vapor analyzer (OVA) equipped with a flame ionization detector (FID). The remaining soil core was tightly wrapped in aluminum foil and placed inside a cooler on ice until headspace screening is completed. If there was no evidence of odor or staining observed and if there was no response to OVA screening, the surface (0- to 2-foot-bgs) sample and the sample immediately above the water table was collected and submitted for laboratory analysis. Only the surface soil sample was submitted to the laboratory for analysis if the water table was determined to be shallow and saturated soil is encountered within the 2 to 4 foot bgs depth range. Additionally, an additional soil sample was collected if visual or other OVA screening indicated a zone of heavily-impacted soil (e.g., stained zone, separate phase product observed, etc.) existed in any other depth interval below the surface sample but above the water table.

The lithology of each location was logged and described in accordance with procedures outlined in ASTM Method D-2488, Description and Identification of Soils (Visual-Manual Procedure). The core was labeled with the borehole location and sample depth using an indelible marker. Once complete, the boring was abandoned by backfilling with the soil cuttings removed during the hand-auguring.

Each soil sample was 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. Details regarding proposed sample location rationale are provided in the following sections.

Soil samples were analyzed for parameters identified on **Table 6**. Samples collected for the analysis of 1,1-Biphenyl (one of the primary constituents of Dowtherm®) were analyzed using USEPA Method 8270D

low level. Select samples collected for the analysis of PCBs were analyzed using USEPA Method 8082A which utilizes split methods 1262, 1268, and 1668B to detect Aroclors, dioxin-like, and non-dioxin-like PCB congeners and USEPA Method 8290 for Dioxins and Furans. Select samples were collected for dioxins and furans analysis by USEPA Method 8290A which along with the PCB analysis was used to determine the toxicity equivalency quotient (TEQ) at these locations. The Type 1/2 RRSs which are used for delineation at the site are provided in **Table 1a**. Soil boring logs are provided as **Appendix D**.

3.3.2 August 2015 Soil Sampling Rationale Summary

A summary of the soil sampling locations, analytical parameters, and sample location rationale presented in Progress Report #4, Section 3.5.3, is provided in this section. Also provided in this section is a summary of delineation investigations performed at two other potentially impacted areas of the site; the former Dry Size area and the combined former CTO Tank Farm and former Dowtherm® Unit areas.

3.3.2.1 1,1-Biphenyl Delineation

Soil delineation of 1,1-biphenyl was not complete at two of the former Dowtherm® Units located in the vicinity of SB-126 and SB-128 along the western portion of the site and near soil borings EX-21 and EX-26 along the northeastern portion of the site. Delineation of 1,1-biphenyl was also not complete along the north side and center of the Former Dry Size area at soil boring DS-9 (2008) which is located to the south-southwest of SB-140 and southeast of SB-113. In addition, S&ME advanced and sampled 18 soil borings and 9 test pits in the former CTO Tank Farm and former Dowtherm® Unit areas located on the northeast portion of the site; just south of Louisville Road. S&ME reported in their August 8, 2007 Soil Exploration and Sampling report that they observed evidence of visual impacts, soil staining, and elevated OVA readings over some portions of this area. Elevated detections of 1,1-biphenyl were confirmed in samples collected from five locations (EX-19, EX-21, EX-22, EX-26, and GP-8); therefore, additional samples were collected from this area to characterize the extent of regulated substances that remain in the former CTO Tank Farm area.

3.3.2.2 Aniline Delineation

Aniline was detected in soil at concentrations exceeding the Type 1/2 RRSs at soil boring SB-F3 which is centrally located along the eastern portion of the Hard Resins area. Additional samples were required in order to complete delineation of this area.

3.3.2.3 Polychlorinated Biphenyls (PCBs) Delineation

Aroclor 1254 was detected in soil at concentrations exceeding the Type 1/2 RRSs at two boring locations during the August 2014 investigation; soil boring SB-122 (adjacent to a former electrical substation) and SB-137 (near the former Dry Size Area). Additional sampling for Aroclor 1254 was proposed in these areas to complete delineation of this Aroclor compound. Additionally, the calculated PCB TEQ exceeded the Type 1/2 RRS at soil borings SB-F14, SB-126, and SB-137. Therefore, additional samples were required to complete delineation for this parameter in these areas.

3.3.2.4 Soil pH Investigation in Former Size Tank Area

Soil pH was measured in the field using a calibrated pH meter at select sample locations from the 0 to 2 foot bgs interval to assess any change in pH that might be linked to a caustic release that was reported in June 2000.

3.3.3 Soil Sampling Results

The analytical results of the 2015 soil investigation were evaluated along with historical analytical data to determine if additional potential source areas are present at the site and to determine if delineation was complete. The target delineation standards were provided to the laboratory prior to the onset of the investigation and the laboratory confirmed that the method detection limits (MDLs)/reporting limits were equal to or less than the Type 1 RRSs for all analyzed constituents. Overall, the results showed that there are only a few isolated areas at the site where concentrations of regulated constituents exceed Type 1 RRSs in soil. A summary of the historic and the August 2015 soil investigation analytical results are provided in **Tables 7a** through **7e**. **Table 7a** and **Table 7d** are provided but are unchanged from the tables presented in Progress Report #4 because no samples were collected for VOC or pesticide analyses during the August 2015 soil delineation investigation. **Table 7e** provides a summary of soil pH measurements made in the field in proximity to the former Size Tank Farm Area. **Figures 7** and **8** illustrate delineation in soil across the site for 1,1-biphenyl and PCBs, respectively. Laboratory analytical reports for all soil samples are provided in **Appendix C**.

Other than 1,1-biphenyl there were no SVOCs detected above the reporting limit. Positive detections of PCB's were also detected and these constituents are discussed in the following sections.

3.3.3.1 1,1-Biphenyl

Soil samples were collected for 1,1-biphenyl analysis at several locations across the site as shown on **Figure 7**. Samples were collected in accordance with the 2015 VRP Delineation Work Plan. Analytical results of these samples identified two areas at the site with positive detections of 1,1-biphenyl: the former Dowtherm® Unit located at the western portion of the Site (SB-159) and the former Dowtherm® Unit located at the northeastern portion of the Site (SB-165, SB-168, SB-189, and SB-198). The remaining soil analytical results were below Type 1/2 RRS for 1,1-biphenyl. Analytical results are summarized in **Table 7b**.

3.3.3.2 Aniline

Soil samples were collected for aniline analysis at two sample locations, SB-205 and SB-206, during the 2015 investigation to delineate elevated aniline concentrations at SB-F3. Analytical results indicate no positive detections of aniline in either of the samples and the delineation of aniline is complete. The location of SB-F3 is shown on **Figure 7** and the locations of SB-205 and SB-206 are shown on **Figure 8**. Analytical results are summarized in **Table 7b**.

3.3.3.3 PCBs

An extensive PCB evaluation was performed during the 2015 investigation. Soil samples were collected and analyzed by Method 8081B/8082A for PCB Aroclor mixtures and by Method 1668C for dioxin-like and non-dioxin-like PCB congeners. Soil boring locations and analytical results list individual Aroclor mixtures, a sum of all non-dioxin-like PCB congeners, and the Toxic Equivalency (TEQ) value is provided on **Figure 8**. PCB Aroclor mixtures, dioxin and non-dioxin-like PCB congeners, total PCBs, and the TEQ values are provided in **Table 7c**.

Aroclor 1254 exceeded the Type 2 RRSs at two sample locations, SB-202 and SB-204. These two sample locations, along with sample location SB-207, also exceeded the PCB TEQ and the total PCBs delineation standards. Figure 8 illustrates PCB analytical results.

3.4 Delineation Status

3.4.1 Groundwater

Groundwater data from the November 2015 monitoring event were compared to the Type 1 RRS, and only one well, MW-F21, has concentrations greater than the Type 1 RRS (see **Figure 6a**). This well is located in the proximity of the ASTs 30s area and is delineated by downgradient monitoring well MW-F5, upgradient wells MW-F7, MW-27, and MW-29, and by historical groundwater analytical results from upgradient wells MW-8 and MW-9. Groundwater is vertically delineated by MWD-30. Additionally, PCBs and ACM were below laboratory detection limits in MW-F3R and MW-F15, respectively. Therefore, groundwater delineation is complete for all site COCs.

3.4.2 Soil

Soil samples were collected during the 2015 investigation to complete delineation of 1,1-biphenyl, PCBs, and aniline concentrations above Type 1 and Type 4 RRSs. Soil samples were collected from a total of 51 boring locations across the site (**Figure 4**).

Limited additional soil delineation for 1,1-biphenyl was needed at two former Dowtherm® Units. Sample location SB-159, near one of the two Dowtherm® Units located the western portion of the site, exceeded Type 1/2 RRS for 1,1-biphenyl. This area is delineated to the west (SB-157) and east (SB-160) and a building exists directly north of the impacted area. However, satisfactory delineation may not have been achieved to the south where previous site plans drew the property boundary very close to the railroad spur. An updated property survey obtained from Hercules indicates that the property boundary actually is well south of the rail spur thereby allowing additional sampling to be performed south of the tracks if requested by the EPD. This additional delineation step should not be needed since PCB-containing materials were not used on the south side of the rail spur.

Sample locations SB-165, SB-168, SB-189, and SB-198, located near the second former Dowtherm® Unit found at the northeastern portion of the site, also exceeded Type 1/2 RRS for 1,1-biphenyl. This area is delineated to the northwest, south, east, and west directions; however, delineation is not complete to the northeast of this former Dowtherm® Unit. Additional step-out samples may be required at both of

these former Dowtherm® Units to complete delineation of 1,1-biphenyl. Historical and August 2015 1,1-biphenyl analytical results are summarized in **Table 7b** and are illustrated on **Figure 7**.

Aniline has only been detected above Type 1/2 RRS in one soil boring; SB-F3 located within the Hard Resins Area of the site. The two soil sample locations advanced to delineate the detection of aniline at SB-F3 had no detections above the delineation standards. Therefore delineation is complete for this compound. The historical and August 2015 aniline analytical results are summarized on **Table 7b**.

Soil delineation of Aroclor 1254, total PCBs, and TEQ is potentially incomplete in two areas at the site with positive detections these constituents. Soil sample SB-202, located within the former dry size area on the western portion of the site is delineated to the west and south. An AST farm is located directly north of SB-202 and the AST wall likely defines the horizontal extent of elevated PCBs in soil from this area; however, delineation may not have been satisfactorily achieved to the east. Soil sample locations SB-204 and SB-207, located near the Hard Resins and Dowtherm® release areas, also exceeded Type 2 RRSs for total PCBs and TEQ. SB-204 also exceeded the Aroclor 1254 delineation standard. Soil delineation for PCBs at this area is complete to the south and east, however, additional step-out delineation samples may be required, if needed, to complete delineation of PCBs. Historical and August 2015 PCBs analytical results are summarized in **Table 7c** and are illustrated on **Figure 8**.

4 UPDATED CONCEPTUAL SITE MODEL

Site investigations of soil and groundwater have been conducted at the site since 2000 to identify potential source areas of regulated constituents and to provide horizontal and vertical delineation of constituents in affected media at the site. As indicated in Section 3.4.1, regulated constituents in groundwater are delineated horizontally and vertically and are confined to the site. Delineation of regulated constituents in soil is not yet complete but available data indicate that concentrations greater than RRSs are confined to isolated areas of the site. The general lack of 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. Geologic cross sections have been prepared to illustrate the current subsurface conditions at the site and transect locations are provided on Figure 9. The cross-sectional geologic interpretations of subsurface conditions provided on Figure 10 (along the groundwater flow direction), Figure 11 (perpendicular to site-wide groundwater flow), and Figure 12 (along the groundwater flow direction on the eastern side of the site) include the November 2015 groundwater analytical results, August 2015 soil analytical results, and historical soil analytical results.

The A-A' transect is oriented parallel to Dundee Canal and passes through the ASTs 30's area and the Former CTO tank area. This cross-section illustrates a lack Type 1/2 RRSs exceedances in soil and Type 1 RRSs in groundwater. Cross-section B-B' is oriented northwest to southeast and represents site conditions at several potential source areas. The only groundwater Type 1/4 RRS exceedance (MW-F21) is shown and its limited extent and proximity to other site features is illustrated. The limited extent off 1,1-biphenyl detections in soil above the Type 1/2 RRS is illustrated on the northwest portion of the figure. Cross-section C-C' was prepared to illustrate additional potential source areas as requested by EPD in their letter dated January 10, 2014. The locations of the Former CTO ASTs 60's area, the Former Tall Oil Plant, the Former Dowtherm Unit, and the Primary Oil/Water Separator are represented in this cross-section. This figures illustrates how limited positive detections of regulated constituents are along this transect and that none of the results are above delineation standards.

4.1 Contaminants of Potential Concern

The following is a list of confirmed COPCs detected at the site.

- Soil: 1,1-biphenyl, Aniline, and Aroclor 1254
- Groundwater: Naphthalene

5 REMEDIATION

5.1 Soil

Institutional controls in conjunction with Type 5 RRS, utilizing the existing concrete caps located in the Former Fatty Acid 50s Tank Area, are proposed to be implemented via a Uniform Environmental Covenant (UEC) to eliminate exposure to ACM in this area. The need for potential additional soil remediation and the implementation of the VRP Controls in other areas of the site will be determined following agreement with the EPD that the delineation of regulated constituents in soil is complete.

5.2 Groundwater

Groundwater has been delineated at the site, and only one monitoring well, MW-F21, has concentrations greater than the Type 4 RRS. Naphthalene is the only confirmed COC present in groundwater at the site, and it was detected at 38 µg/L during the November 2015 monitoring event. This is well below the historical maximum concentration detected at 430 µg/L during the July 2011 monitoring event and concentration trends continue to drop.

Semiannual groundwater monitoring will be conducted for a minimum of two additional events to document that COCs are not detected in any additional wells at the site. Once soil delineation has been completed, Hercules will likely propose the use of a UEC to restrict groundwater use at the site.

6 STATUS OF PROPOSED FUTURE WORK

The following is a list of the remaining planned actions outlined in the VIRP.

6.1 Groundwater Modeling

The delineation of regulated constituents in groundwater is complete as presented in Section 3.4.1 and there is no present need to utilize numerical groundwater modeling to demonstrate compliance with Type 4 RRSs. A suitable groundwater model may be used, if needed, to demonstrate compliance at the downgradient point of exposure as allowed in Section 12-8-108 of the VRPA if future groundwater sampling results indicate constituents in groundwater may migrate off-site.

6.2 Semiannual Groundwater Monitoring

The semiannual groundwater sampling program that began in November 2013 will continue until compliance with final cleanup standards is demonstrated for a period of one year or for a period to be

determined by the director of the VRP. As indicated above, semiannual monitoring consists of collecting water-level measurements from up to 37 on-site wells and collecting groundwater samples from the following eight monitoring wells: MW-F21, MW-F3R, MW F5, MW-F7, MW-F15, MW-27, MW-29, and MWD-30.

6.3 Additional Soil Delineation

The results of the August 2015 soil investigation indicate that a few additional soil borings may be required to finalize delineation of regulated constituents at the site. Step-out sample locations and the rationale for the required additional sampling are discussed in more detail in section 3.4.2. Additional soil confirmation sampling may be combined with soil remedial actions needed to achieve compliance with Type 4 or more restrictive RRSs.

7 SCHEDULE

An updated project schedule for work elements outlined in the VIRP is provided on Figure 13.

8 REPORTING

Semiannual Progress Reports will be submitted to provide updates of the progress and implementation of the VIRP throughout the program. Additionally, the projected milestone schedule will be updated to show progress on VIRP objectives (**Figure 13**).

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

9 REFERENCES

ARCADIS U.S., Inc. (ARCADIS). 2011. Response to Georgia EPD Comments, EPD Comment Letter Dated October 25, 2010. February.

ARCADIS U.S., Inc. (ARCADIS). 2012. Voluntary Investigation and Remediation Plan, April 9.

TABLES

Table 1a
Soil and Groundwater Delineation Standards
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

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 1a
Soil and Groundwater Delineation Standards
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

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 or10,000	(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:

NA - Not applicable

mg/kg - milligrams per kilogram

mg/L - millograms per liter

MFL - million fibers per liter

ppm - parts per million

RRS - Risk Reduction Standard

s.u. - Standard unit

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.

Table 1b
Groundwater Risk Reduction Standards
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

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 1b
Groundwater Risk Reduction Standards
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

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:

NA - Not applicable

mg/kg - milligrams per kilogram

mg/L - millograms per liter

MFL - million fibers per liter

ppm - parts per million

RRS - Risk Reduction Standard

s.u. - Standard unit

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.

Table 1c
Soil Cleanup Standards
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

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/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
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
Dioxins, Chlorinated Dibenzofurans, and Dioxin-Like PCBs				

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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]
2,3,7,8-TCDD [2]		mg/kg	0.00012	4.40E-04
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
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	1 or 10,000 ppm	1 or 10,000 ppm
Fluoride	16984-48-8	mg/kg	NA	NA
pH	NA	s.u.	>2 and <12.5	>2 and <12.5

NOTES:

NA - Not applicable

mg/kg - milligrams per kilogram

mg/L - millograms per liter

MFL - million fibers per liter

ppm - parts per million

RRS - Risk Reduction Standard

s.u. - Standard unit

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 tc 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.

Table 2
Well Construction
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

Well Id	Install Date	Total Depth (ft. btoc)	Approximate Total Depth (ft. bgs)	Casing Length (ft. bgs)	Screen Interval (ft. bgs) (top)	(bottom)	Well Completion	Site Area	Ground Elevation (ft. amsl)	Top of Casing Elevation (ft. amsl)	Well Diameter (inches)	Construction Material
Shallow Monitoring Wells												
MWA	--	--	10.4	--	--	10.4	--	Resin Areas	--	--	--	--
MWB	--	--	10.2	--	--	10.2	--	Resin Areas	--	--	--	--
MWC	--	--	10.2	--	--	10.2	--	Resin Areas	--	--	--	--
MWD	--	--	8.8	--	--	8.8	--	Resin Areas	--	--	--	--
MW-F1	10/19/2000	22.58	20	10	10	20	Stick-up	Resin Areas	7.13	9.55	2	PVC
MW-F2	10/24/2000	11.82	10	5	5	10	--	Resin Areas	7.70	7.51	2	PVC
MW-F3	10/19/2000	--	20	10	10	20	--	Resin Areas	--	--	2	PVC
MW-F3R	11/6/2008	22.90	20	10	10	20	Stick-up	Resin Areas	8.32	12.53	2	PVC
MW-F4	10/18/2000	--	20	10	10	20	--	Resin Areas	--	--	2	PVC
MW-F5	10/18/2000	22.26	20	10	10	20	Stick-up	Resin Areas	9.07	11.49	2	PVC
MW-F6	10/19/2000	19.73	20	10	10	20	Flush mount	Resin Areas	8.97	8.59	2	PVC
MW-F7	10/18/2000	23.14	20	10	10	20	Stick-up	Resin Areas	10.70	13.23	2	PVC
MW-F8	10/20/2000	20.60	20	10	10	20	Stick-up	Resin Areas	11.22	12.59	2	PVC
MW-F9	10/17/2000	NM	20	10	10	20	--	Resin Areas	12.00	11.78	2	PVC
MW-F10	10/17/2000	NM	20	10	10	20	--	Resin Areas	--	--	2	PVC
MW-F11	10/18/2000	19.66	20	10	10	20	Flush mount	Resin Areas	8.80	8.58	2	PVC
MW-F12	10/18/2000	20.47	20	10	10	20	Flush mount	Resin Areas	9.47	9.34	2	PVC
MW-F13	10/17/2000	23.32	20	10	10	20	Stick-up	Resin Areas	15.66	18.47	2	PVC
MW-F14	10/16/2000	22.52	20	10	10	20	Stick-up	Resin Areas	6.05	8.38	2	PVC
MW-F15	10/19/2000	19.98	20	10	10	20	Flush mount	Resin Areas	9.87	9.79	2	PVC
MW-F16	10/16/2000	22.42	20	10	10	20	Stick-up	Resin Areas	6.03	8.51	2	PVC
MW-F17	10/17/2000	22.83	20	10	10	20	Stick-up	Resin Areas	8.93	11.36	2	PVC
MW-F19	10/16/2000	22.84	20	10	10	20	Stick-up	Resin Areas	7.68	10.47	2	PVC
MW-F20	10/23/2000	--	13	3	3	13	--	Resin Areas	--	--	2	PVC
MW-F21	10/23/2000	23.33	20	10	10	20	Stick-up	Resin Areas	9.96	12.46	2	PVC
MW-22	10/29/2002	21.39	20	10	10	20	Stick-up	Shallow Background Well	7.36	10.06	2	PVC
MW-23	10/28/2002	23.41	20	10	10	20	Stick-up	Resin Areas	7.08	9.4	2	PVC
MW-24	10/28/2002	22.95	20	10	10	20	Stick-up	Resin Areas	7.71	10.23	2	PVC
MW-25	10/29/2002	21.34	20	10	10	20	Stick-up	Shallow Background Well	10.32	12.72	2	PVC
MW-26	10/30/2002	24.01	20	10	10	20	Stick-up	Size Tank Farm	13.69	15.69	2	PVC

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VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

Well Id	Install Date	Total Depth (ft. btoc)	Approximate Total Depth (ft. bgs)	Casing Length (ft. bgs)	Screen Interval (ft. bgs) (top)	(bottom)	Well Completion	Site Area	Ground Elevation (ft. amsl)	Top of Casing Elevation (ft. amsl)	Well Diameter (inches)	Construction Material
MW-27	12/17/2002	19.99	20	10	10	20	Flush mount	Resin Areas	10.36	10.23	2	PVC
MW-28	12/17/2002	24.54	20	10	10	20	Stick-up	Shallow Background Well	7.60	10.5	2	PVC
MW-29	11/6/2008	22.50	20	10	10	20	Stick-up	Resin Areas	9.58	12.8	2	PVC
MW-32	11/18/2008	21.98	20	10	10	20	Stick-up	Shallow Background Well	5.30	7.05	2	PVC
Deep Monitoring Wells												
MWD-22	10/29/2002	42.61	50	40	40	50	Stick-up	Resin Areas	7.71	10.05	2	PVC
MWD-23	11/1/2002	48.98	50	40	40	50	Stick-up	Resin Areas	6.83	9.27	2	PVC
MWD-24	10/29/2002	47.43	50	40	40	50	Stick-up	Deep Background Well	7.67	10.34	2	PVC
MWD-25	10/30/2002	48.07	50	40	40	50	Stick-up	Deep Background Well	10.26	12.58	2	PVC
MWD-27	12/17/2002	45.02	50	40	40	50	Flush mount	Resin Areas	10.25	10.09	2	PVC
MWD-28	12/17/2002	49.05	50	40	40	50	Stick-up	Deep Background Well	7.27	10.66	2	PVC
MWD-29	11/10/2008	51.10	50	40	40	50	Stick-up	Resin Areas	9.51	13.56	2	PVC
MWD-30	11/11/2008	52.78	50	40	40	50	Stick-up	Resin Areas	10.06	13.41	2	PVC
MWD-F1	10/17/2000	103.30	100	80	80	100	Stick-up	Resin Areas	6.92	9.25	2	PVC
MWD-F2	10/17/2000	103.25	100	80	80	100	Stick-up	Resin Areas	7.80	10.52	2	PVC
MWD-F3	10/18/2000	90.22	87	67	67	87	Stick-up	Resin Areas	8.77	11.23	2	PVC
Temporary Wells												
Well-1	1/7/1998	--	19	--	--	19	--	Size Tank Farm			--	--
Well-2	1/7/1998	--	17	--	--	17	--	Size Tank Farm			--	--
Well-3	1/7/1998	--	17	--	--	17	--	Size Tank Farm			--	--
TMW-5	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-6	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-7	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-10	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-11	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-12	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-13	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-14	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-15	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-16	7/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--
TMW-17	6/6/2000	--	~12-16	--	--	~12-16	--	50s Tank and Hard Resin Area			--	--

Table 2
Well Construction
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

Well Id	Install Date	Total Depth (ft. btoc)	Approximate Total Depth (ft. bgs)	Casing Length (ft. bgs)	Screen Interval (ft. bgs) (top)	(bottom)	Well Completion	Site Area	Ground Elevation (ft. amsl)	Top of Casing Elevation (ft. amsl)	Well Diameter (inches)	Construction Material
Onsite Production Wells												
Well 1 (12")	~1955	--	1000	270	open borehole		--	--			12	--
Well 2 (10")	~1950	--	750	250	open borehole		--	--			10	--
Well 3 (8")	efore January 195	--	--	--	--	--	--	--			8	--

Notes:
ft. btoc = feet below top of casing
ft. bgs = feet below ground surface
ft. amsl = feet above mean seal level
-- unknown or not applicable
grey shading = well abandoned or destroyed

Table 3
Groundwater Elevation Data
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, Georgia

		May 4, 2015		November 2, 2015	
Well Number	Top of Casing Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)
MW-F1	9.55	3.85	5.70	4.45	5.10
MW-F2	7.51	5.14	2.37	5.56	1.95
MW-F3R	12.53	6.63	5.90	6.99	5.54
MW-F5	11.49	5.86	5.63	6.10	5.39
MW-F6	8.59	3.06	5.53	3.90	4.69
MW-F7	13.23	4.70	8.53	5.48	7.75
MW-F8	12.59	4.11	8.48	5.14	7.45
MW-F9	11.78	2.71	9.07	3.64	8.14
MW-F11	8.58	1.47	7.11	2.00	6.58
MW-F12	9.34	2.05	7.29	2.97	6.37
MW-F13	18.47	9.09	9.38	10.31	8.16
MW-F14	8.38	2.14	6.24	2.4	5.98
MW-F15	9.79	4.35	5.44	4.32	5.47
MW-F16	8.51	2.20	6.31	2.52	5.99
MW-F17	11.36	5.31	6.05	5.72	5.64
MW-F19	10.47	3.75	6.72	5.05	5.42
MW-F21	12.46	5.51	6.95	6.89	5.57
MW-22	10.06	2.23	7.83	3.10	6.96
MW-23	9.4	6.61	2.79	5.66	3.74
MW-24	10.23	3.70	6.53	4.69	5.54
MW-25	12.72	4.80	7.92	5.62	7.10
MW-26	15.69	7.05	8.64	8.57	7.12
MW-27	10.23	1.25	8.98	2.34	7.89
MW-28	10.5	Destroyed		Destroyed	
MW-29	12.8	4.20	8.60	5.09	7.71
MW-32	7.05	3.00	4.05	3.45	3.60
Deep Monitoring Wells					
MWD-22	10.05	2.52	7.53	4.3	5.75
MWD-23	9.27	5.65	3.62	7.29	1.98
MWD-24	10.34	4.02	6.32	4.53	5.81
MWD-25	12.58	5.16	7.42	6.09	6.49
MWD-27	10.09	2.4	7.69	3.22	6.87
MWD-28	10.66	6.12	4.54	6.84	3.82
MWD-29	13.56	6.13	7.43	6.92	6.64
MWD-30	13.41	7.60	5.81	8.34	5.07
MWD-F1	9.25	30.36	-21.11	30.11	-20.86
MWD-F2	10.52	8.45	2.07	21.11	-10.59
MWD-F3	11.23	16.95	-5.72	16.95	-5.72

Table 4
Groundwater Analytical Summary
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, Georgia

Sample Info		Analyses			
Well ID	**Sample ID**	**VOCs**	**SVOCs**	**Aroclors and congeners**	**ACM (asbestos)**
	Sample Container	40mL VOA glass	1L Amber glass	2 - 1L Amber	2 - 1L Plastic
	Preservative	HCl	None	None	None
	Analytical Method	8260B	8270C	8082A (include 1262 and 1268), 1668B	600-R-93-116
MW-F21	MW-F21 (MMDDYY)	X	X		
MW-F3R	MW-F3R (MMDDYY)			X	
MW-F5	MW-F5 (MMDDYY)	X	X		
MW-F7	MW-F7 (MMDDYY)	X	X		
MW-F15*	MW-F15 (MMDDYY)	benzene			X
MW-27	MW-27 (MMDDYY)	X	X		
MW-29	MW-29 (MMDDYY)	X	X		
MWD-30	MWD-30 (MMDDYY)	X	X		
DUP-01	DUP-01 (MMDDYY)	X			
Trip Blank	Trip Blank (MMDDYY)	X			
	Totals	8	6	1	1

REVISED March 2016
MW-F15* is analyzed for benzene and ACM only.

Table 5a
Groundwater Analytical Data, VOCs and SVOCs, November 2015
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	MW-27	MW-29	MW-29	MWD-30	MW-F15	MW-F21	MW-F3R	MW-F5	MW-F7
				Sample Matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW
				Date	11/4/2015	11/3/2015	11/3/2015	11/3/2015	11/4/2015	11/4/2015	11/4/2015	11/4/2015	11/4/2015
				Sample Depth (ft bgs)	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20
				Sample Type	N	N	FD	N	N	N	N	N	N
Constituent	**CAS**	**Units**	**Type 1 RRS**	**Type 3/4 RRS**									
VOCs													
1,2-Dichloropropane	78-87-5	ug/l	5	7.4	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	< 1.0 U	NA	< 1.0 U	< 1.0 U
2-Butanone (MEK)	78-93-3	ug/l	2000	12000	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U
2-Methyl-1-propanol	78-83-1	ug/l	10000	31000	< 50 U	< 50 U	< 50 U	< 50 U	NA	< 50 U	NA	< 50 U	< 50 U
4-Methyl-2-Pentanone	108-10-1	ug/l	2000	4200	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U
Acetone	67-64-1	ug/l	4000	46000	< 10 U	< 10 U	< 10 U	< 10 U	NA	< 10 U	NA	< 10 U	< 10 U
Acetonitrile	75-05-8	ug/l	200	200	< 40 U	< 40 U	< 40 U	< 40 U	NA	< 40 U	NA	< 40 U	< 40 U
Acrolein	107-02-8	ug/l	700	700	< 20 U	< 20 U	< 20 U	< 20 U	NA	< 20 U	NA	< 20 U	< 20 U
Benzene	71-43-2	ug/l	5	8.7	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	3.1	NA	< 1.0 U	< 1.0 U
Carbon Disulfide	75-15-0	ug/l	4000	4000	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	NA	< 2.0 U	NA	< 2.0 U	< 2.0 U
Chlorobenzene	108-90-7	ug/l	100	140	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	< 1.0 U	NA	< 1.0 U	< 1.0 U
Ethyl Methacrylate	97-63-2	ug/l	3000	3000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	< 1.0 U	NA	< 1.0 U	< 1.0 U
Ethylbenzene	100-41-4	ug/l	700	700	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	< 1.0 U	NA	< 1.0 U	< 1.0 U
o,p-Xylene	136777-61-2	ug/l	---	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	0.53 J	NA	< 1.0 U	< 1.0 U
o-Xylene	95-47-6	ug/l	---	---	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	0.38 J	NA	< 1.0 U	< 1.0 U
Styrene (Monomer)	100-42-5	ug/l	100	2600	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	< 1.0 U	NA	< 1.0 U	< 1.0 U
Tetrachloroethene	127-18-4	ug/l	5	98	1.5	< 1.0 U	< 1.0 U	< 1.0 U	NA	< 1.0 U	NA	< 1.0 U	2.9
Toluene	108-88-3	ug/l	1000	5200	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	< 1.0 U	NA	< 1.0 U	< 1.0 U
Total Xylenes	1330-20-7	ug/l	2	10000	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	NA	0.91 J	NA	< 1.0 U	< 1.0 U
trans-1,4-Dichlorobuten	110-57-6	ug/l	2	2	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	NA	< 2.0 U	NA	< 2.0 U	< 2.0 U
SVOCs													
1,1-Biphenyl	92-52-4	ug/l	10	10	< 1.1 U	< 1.1 U	NA	< 1.1 U	NA	< 5.6 U	NA	< 0.99 U	< 1.0 U
1,3-Dinitrobenzene	99-65-0	ug/l	10	10	< 1.1 U	< 1.1 U	NA	< 1.1 U	NA	< 5.6 U	NA	< 0.99 U	< 1.0 U
1,4-Dioxane	123-91-1	ug/l	70	70	< 2.1 U	< 2.2 U	NA	< 2.1 U	NA	14	NA	< 2.0 U	< 2.1 U
2,4-Dimethylphenol	105-67-9	ug/l	700	2000	< 2.1 U	< 2.2 U	NA	< 2.1 U	NA	< 11 U	NA	< 2.0 U	< 2.1 U
2-Methylphenol	95-48-7	ug/l	10	5100	< 2.1 U	< 2.2 U	NA	< 2.1 U	NA	< 11 U	NA	< 2.0 U	< 2.1 U
4-Methylphenol	106-44-5	ug/l	10	10000	< 2.1 U	< 2.2 U	NA	< 2.1 U	NA	< 11 U	NA	< 2.0 U	< 2.1 U
Acenaphthene	83-32-9	ug/l	2000	6100	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	3.4	NA	16	< 0.21 U
Acenaphthylene	208-96-8	ug/l	10	10	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Acetophenone	98-86-2	ug/l	4000	10000	< 1.1 U	< 1.1 U	NA	< 1.1 U	NA	< 5.6 U	NA	< 0.99 U	< 1.0 U
Aniline	62-53-3	ug/l	20	500	< 2.1 U	< 2.2 U	NA	< 2.1 U	NA	< 11 U	NA	< 2.0 U	< 2.1 U
Anthracene	120-12-7	ug/l	10	31000	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Benzo(a)anthracene	56-55-3	ug/l	10	10	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Benzo(a)pyrene	50-32-8	ug/l	10	10	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Benzo(b)fluoranthene	205-99-2	ug/l	10	10	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Benzo(g,h,i)perylene	191-24-2	ug/l	10	10	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Benzo(k)fluoranthene	207-08-9	ug/l	10	39	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
bis(2-Chloroethyl)ether	111-44-4	ug/l	detection limit	--	< 1.1 U	< 1.1 U	NA	< 1.1 U	NA	< 5.6 U	NA	< 0.99 U	< 1.0 U
bis(2-Ethylhexyl)phthala	117-81-7	ug/l	10	200	< 5.3 U	2.2 J	NA	< 5.4 U	NA	< 28 U	NA	< 5.0 U	< 5.2 U
Butyl benzyl phthalate	85-68-7	ug/l	100	15061	< 1.1 U	< 1.1 U	NA	< 1.1 U	NA	< 5.6 U	NA	< 0.99 U	< 1.0 U
Chrysene	218-01-9	ug/l	10	40	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Dibenzo(a,h)anthracene	53-70-3	ug/l	10	10	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Dibenzofuran	132-64-9	ug/l	10	10	< 1.1 U	< 1.1 U	NA	0.17 J	NA	< 5.6 U	NA	< 0.99 U	< 1.0 U
Di-n-octyl phthalate	117-84-0	ug/l	700	700	< 1.1 U	< 1.1 U	NA	< 1.1 U	NA	< 5.6 U	NA	< 0.99 U	< 1.0 U
Fluoranthene	206-44-0	ug/l	1000	4100	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Fluorene	86-73-7	ug/l	1000	4100	< 0.21 U	< 0.22 U	NA	0.15 J	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	10	10	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Naphthalene	91-20-3	ug/l	20	**20**	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	**38**	NA	< 0.20 U	< 0.21 U
n-Nitrosodi-n-butylamin	924-16-3	ug/l	10	10	< 1.1 U	< 1.1 U	NA	< 1.1 U	NA	< 5.6 U	NA	< 0.99 U	< 1.0 U
N-Nitroso-N-methylethy	10595-95-6	ug/l	10	10	< 2.1 U	< 2.2 U	NA	< 2.1 U	NA	< 11 U	NA	< 2.0 U	< 2.1 U
Parathion	56-38-2	ug/l	200	610	< 2.1 U	< 2.2 U	NA	< 2.1 U	NA	< 11 U	NA	< 2.0 U	< 2.1 U
Phenanthrene	85-01-8	ug/l	10	10	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
Phenol	108-95-2	ug/l	4		< 1.1 U	< 1.1 U	NA	< 1.1 U	NA	3.6 J	NA	< 0.99 U	< 1.0 U

Table 5a
Groundwater Analytical Data, VOCs and SVOCs, November 2015
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	MW-27	MW-29	MW-29	MWD-30	MW-F15	MW-F21	MW-F3R	MW-F5	MW-F7
				Sample Matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW
				Date	11/4/2015	11/3/2015	11/3/2015	11/3/2015	11/4/2015	11/4/2015	11/4/2015	11/4/2015	11/4/2015
				Sample Depth (ft bgs)	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20	10-20
				Sample Type	N	N	FD	N	N	N	N	N	N
Constituent	**CAS**	**Units**	**Type 1 RRS**	**Type 3/4 RRS**									
Pyrene	129-00-0	ug/l	1000	3100	< 0.21 U	< 0.22 U	NA	< 0.21 U	NA	< 1.1 U	NA	< 0.20 U	< 0.21 U
pH	---	s.u.	≥2 and ≤12.5	≥2 and ≤12.5	4.78	4.71	NA	7.46	6.71	5.86	6.92	6.91	4.74

Notes
1. Highlighted values indicated concentrations above Type 1 RRS
2. Bolded values indicated concentrations above Type 3/4 RRS
3. pH values were recorded in the field.
4. Type 1 RRS is used for delineation and the higher of the Type 3 and Type 4 RRS is used for the cleanup standard.
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
* LCS or LCSD exceeds the control limits
-- Not Analyzed
FD = Field Duplicate
ft bgs = feet below ground surface
GW = Groundwater
N = Normal Sample
RRS = Risk Reduction Standard
s.u. = Standard Unit
SVOC = Semivolatile organic compound
µg/L = micrograms per liter
VOC = Volatile organic compounds

Table 5b
Groundwater Analytical Data, PCBs, November 2015
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	MW-F3R
				Sample Matrix	GW
				Date	11/4/2015
				Sample Depth (ft bgs)	
				Sample Type	N
Constituent	CAS	Units	Type 1 RRS	Type 3/4 RRS	
PCBs					
Aroclor Mixtures					
Aroclor 1254	11097-69-1	ug/l	0.5	1.4	< 1.0 U
Aroclor 1260	11096-82-5	ug/l	0.5	1.4	< 1.0 U
Dioxin-like PCB Congeners					
PCB-105	32598-14-4	pg/l			< 21 U
PCB-114	74472-37-0	pg/l			< 21 U
PCB-118	31508-00-6	pg/l			3.3 J
PCB-126	57465-28-8	pg/l			< 21 U
PCB-156	38380-08-4	pg/l			< 43 U
PCB-167	52663-72-6	pg/l			< 21 U
PCB-169	32774-16-6	pg/l			< 21 U
PCB-189	39635-31-9	pg/l			< 21 U
PCB-77	32598-13-3	pg/l			< 21 U
PCB-81	70362-50-4	pg/l			< 21 U
Non-Dioxin-like PCB Congeners					
PCB-1	2051-60-7	pg/l			8.8 J
PCB-10	33146-45-1	pg/l			< 210 U
PCB-103	60145-21-3	pg/l			< 210 U
PCB-104	56558-16-8	pg/l			< 210 U
PCB-106	70424-69-0	pg/l			< 210 U
PCB-107/124	107-124	pg/l			< 430 U
PCB-109	74472-35-8	pg/l			< 210 U
PCB-11	2050-67-1	pg/l			< 210 U
PCB-110/115	110-115	pg/l			4.3 JB
PCB-111	39635-32-0	pg/l			< 210 U
PCB-112	74472-36-9	pg/l			< 210 U
PCB-12/13	12-13	pg/l			< 430 U
PCB-120	68194-12-7	pg/l			< 210 U
PCB-121	56558-18-0	pg/l			< 210 U
PCB-122	76842-07-4	pg/l			< 210 U
PCB-123	65510-44-3	pg/l			< 21 U
PCB-127	39635-33-1	pg/l			< 210 U
PCB-128/162	128-162	pg/l			< 430 U
PCB-129/138/163	129-138-163	pg/l			2.5 J
PCB-130	52663-66-8	pg/l			< 210 U
PCB-131	61798-70-7	pg/l			< 210 U
PCB-132	38380-05-1	pg/l			< 210 U
PCB-133	35694-04-3	pg/l			< 210 U
PCB-134/143	134-143	pg/l			< 430 U
PCB-135/151	135-151	pg/l			< 430 U
PCB-136	38411-22-2	pg/l			< 210 U
PCB-137	35694-06-5	pg/l			< 210 U

Table 5b
Groundwater Analytical Data, PCBs, November 2015
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	MW-F3R
				Sample Matrix	GW
				Date	11/4/2015
				Sample Depth (ft bgs)	
				Sample Type	N
Constituent	CAS	Units	Type 1 RRS	Type 3/4 RRS	
PCB-139/140	139-140	pg/l			< 430 U
PCB-14	34883-41-5	pg/l			< 210 U
PCB-141	52712-04-6	pg/l			< 210 U
PCB-142	41411-61-4	pg/l			< 210 U
PCB-144	68194-14-9	pg/l			< 210 U
PCB-145	74472-40-5	pg/l			< 210 U
PCB-146	51908-16-8	pg/l			< 210 U
PCB-147/149	147-149	pg/l			2.6 J
PCB-148	74472-41-6	pg/l			< 210 U
PCB-15	2050-68-2	pg/l			< 210 U
PCB-150	68194-08-1	pg/l			< 210 U
PCB-152	68194-09-2	pg/l			< 210 U
PCB-153/168	153-168	pg/l			2.1 J
PCB-154	60145-22-4	pg/l			< 210 U
PCB-155	33979-03-2	pg/l			< 210 U
PCB-158	74472-42-7	pg/l			< 210 U
PCB-159	39635-35-3	pg/l			< 210 U
PCB-16	38444-78-9	pg/l			< 210 U
PCB-160	41411-62-5	pg/l			< 210 U
PCB-161	74472-43-8	pg/l			< 210 U
PCB-162	39635-34-2	pg/l			< 210 U
PCB-164	74472-45-0	pg/l			< 210 U
PCB-165	74472-46-1	pg/l			< 210 U
PCB-17	37680-66-3	pg/l			< 210 U
PCB-170	35065-30-6	pg/l			< 210 U
PCB-171/173	171-173	pg/l			< 430 U
PCB-172	52663-74-8	pg/l			< 210 U
PCB-174	38411-25-5	pg/l			< 210 U
PCB-175	40186-70-7	pg/l			< 210 U
PCB-176	52663-65-7	pg/l			< 210 U
PCB-177	52663-70-4	pg/l			< 210 U
PCB-178	52663-67-9	pg/l			< 210 U
PCB-179	52663-64-6	pg/l			< 210 U
PCB-18/30	18-30	pg/l			< 430 U
PCB-180/193	180-193	pg/l			1.3 J
PCB-181	74472-47-2	pg/l			< 210 U
PCB-182	60145-23-5	pg/l			< 210 U
PCB-183	52663-69-1	pg/l			< 210 U
PCB-184	74472-48-3	pg/l			< 210 U
PCB-185	52712-05-7	pg/l			< 210 U
PCB-186	74472-49-4	pg/l			< 210 U
PCB-187	52663-68-0	pg/l			< 210 U
PCB-188	74487-85-7	pg/l			< 210 U

Table 5b
Groundwater Analytical Data, PCBs, November 2015
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	MW-F3R
				Sample Matrix	GW
				Date	11/4/2015
				Sample Depth (ft bgs)	
				Sample Type	N
Constituent	CAS	Units	Type 1 RRS	Type 3/4 RRS	
PCB-19	38444-73-4	pg/l			< 210 U
PCB-190	41411-64-7	pg/l			< 210 U
PCB-191	74472-50-7	pg/l			< 210 U
PCB-192	74472-51-8	pg/l			< 210 U
PCB-194	35694-08-7	pg/l			< 210 U
PCB-195	52663-78-2	pg/l			< 210 U
PCB-196	42740-50-1	pg/l			< 210 U
PCB-197	33091-17-7	pg/l			< 210 U
PCB-198/199	198-199	pg/l			< 430 U
PCB-2	2051-61-8	pg/l			< 210 U
PCB-20/28	20-28	pg/l			< 430 U
PCB-200	52663-73-7	pg/l			< 210 U
PCB-201	40186-71-8	pg/l			< 210 U
PCB-202	2136-99-4	pg/l			< 210 U
PCB-203	52663-76-0	pg/l			< 210 U
PCB-204	74472-52-9	pg/l			< 210 U
PCB-205	74472-53-0	pg/l			< 210 U
PCB-206	40186-72-9	pg/l			< 210 U
PCB-207	52663-79-3	pg/l			< 210 U
PCB-208	52663-77-1	pg/l			< 210 U
PCB-21/33	21-33	pg/l			< 430 U
PCB-22	38444-85-8	pg/l			< 210 U
PCB-23	55720-44-0	pg/l			< 210 U
PCB-24	55702-45-9	pg/l			< 210 U
PCB-25	55712-37-3	pg/l			< 210 U
PCB-26/29	26-29	pg/l			< 430 U
PCB-27	38444-76-7	pg/l			< 210 U
PCB-3	2051-62-9	pg/l			< 210 U
PCB-31	16606-02-3	pg/l			< 210 U
PCB-32	38444-77-8	pg/l			< 210 U
PCB-34	37680-68-5	pg/l			< 210 U
PCB-35	37680-69-6	pg/l			< 210 U
PCB-36	38444-87-0	pg/l			< 210 U
PCB-37	38444-90-5	pg/l			< 210 U
PCB-38	53555-66-1	pg/l			< 210 U
PCB-39	38444-88-1	pg/l			< 210 U
PCB-4	13029-08-8	pg/l			< 210 U
PCB-40/71	40-71	pg/l			< 430 U
PCB-41	52663-59-9	pg/l			< 210 U
PCB-42	36559-22-5	pg/l			< 210 U
PCB-43	70362-46-8	pg/l			< 210 U
PCB-44/47/65	44-57-65	pg/l			9.2 JB
PCB-45	70362-45-7	pg/l			< 210 U

Table 5b
Groundwater Analytical Data, PCBs, November 2015
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	MW-F3R
				Sample Matrix	GW
				Date	11/4/2015
				Sample Depth (ft bgs)	
				Sample Type	N
Constituent	CAS	Units	Type 1 RRS	Type 3/4 RRS	
PCB-46	41464-47-5	pg/l			< 210 U
PCB-48	70362-47-9	pg/l			< 210 U
PCB-49/69	49-69	pg/l			< 430 U
PCB-5	16605-91-7	pg/l			< 210 U
PCB-50/53	50-53	pg/l			< 430 U
PCB-51	68194-04-7	pg/l			< 210 U
PCB-52	35693-99-3	pg/l			2.9 J
PCB-54	15968-05-5	pg/l			< 210 U
PCB-55	74338-24-2	pg/l			< 210 U
PCB-56	41464-43-1	pg/l			< 210 U
PCB-57	70424-67-8	pg/l			< 210 U
PCB-58	41464-49-7	pg/l			< 210 U
PCB-59/62/75	59-62-75	pg/l			< 640 U
PCB-6	25569-80-6	pg/l			< 210 U
PCB-60	33025-41-1	pg/l			< 210 U
PCB-61/70/74/76	61-70-74-76	pg/l			< 850 U
PCB-63	74472-34-7	pg/l			< 210 U
PCB-64	52663-58-8	pg/l			< 210 U
PCB-66	32598-10-0	pg/l			< 210 U
PCB-67	73575-53-8	pg/l			< 210 U
PCB-68	73575-52-7	pg/l			< 210 U
PCB-7	33284-50-3	pg/l			< 210 U
PCB-72	41464-42-0	pg/l			< 210 U
PCB-73	74338-23-1	pg/l			< 210 U
PCB-78	70362-49-1	pg/l			< 210 U
PCB-79	41464-48-6	pg/l			< 210 U
PCB-8	34883-43-7	pg/l			< 210 U
PCB-80	33284-52-5	pg/l			< 210 U
PCB-82	52663-62-4	pg/l			< 210 U
PCB-83	60145-20-2	pg/l			< 210 U
PCB-84	52663-60-2	pg/l			< 210 U
PCB-85/116/117	85-116-117	pg/l			< 640 U
PCB-86/87/97/108/119/125	868797108119125	pg/l			< 1300 U
PCB-88/91	88-91	pg/l			< 430 U
PCB-89	73575-57-2	pg/l			< 210 U
PCB-9	34883-39-1	pg/l			< 210 U
PCB-90/101/113	90-101-113	pg/l			3.6 J
PCB-92	52663-61-3	pg/l			< 210 U
PCB-93/100	93-100	pg/l			< 430 U
PCB-94	73575-55-0	pg/l			< 210 U
PCB-95	38379-99-6	pg/l			2.8 J
PCB-96	73575-54-9	pg/l			< 210 U
PCB-98/102	98-102	pg/l			< 430 U

Table 5b
Groundwater Analytical Data, PCBs, November 2015
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	**MW-F3R**
				Sample Matrix	**GW**
				Date	**11/4/2015**
				Sample Depth (ft bgs)	
				Sample Type	**N**
Constituent	**CAS**	**Units**	**Type 1 RRS**	**Type 3/4 RRS**	
PCB-99	38380-01-7	pg/l			1.5 J
Total PCBs					
Polychlorinated biphenyls	1336-36-3	pg/l	0.0005	0.0014	0.000000045 J
pH	---	s.u.	≥2 and ≤12.5	≥2 and ≤12.5	6.92

Notes

Type 1 RRS is used for delineation and the higher of the Type 3 and Type 4 RRS is used for the cleanup standard.

pH values were recorded in the field.

-- Not Analyzed/No standard

< = Concentration is less than the reporting limit

U = Not detected above reporting limit

ft bgs = feet below ground surface

GW = Groundwater

N = Normal Sample

pg/L = picograms per liter

RRS = Risk Reduction Standard

s.u. = Standard Unit

Table 5c
Groundwater Analytical Data, Asbestos, November 2015
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	**MW-F15**
				Sample Matrix	**GW**
				Date	**11/4/2015**
				Sample Depth (ft bgs)	**10-20**
				Sample Type	**N**
Constituent	**CAS**	**Units**	**Type 1 RRS**	**Type 3/4 RRS**	
Asbestos	1332-21-4	MFL	7	7	<0.49 U
pH	---	s.u.	≥2 and ≤12.5	≥2 and ≤12.5	6.71

Notes

Type 1 RRS is used for delineation and the higher of the Type 3 and Type 4 RRS is used for the cleanup standard.

pH values were recorded in the field.

U = Not detected above reporting limit

< = Concentration is less than the reporting limit

ft bgs = feet below ground surface

GW = Groundwater

MFL = million fibers per liter

N = Normal Sample

RRS = Risk Reduction Standard

s.u. = Standard Unit

Table 6
Soil Analytical Summary
Solenis International, L.P. - Savannah, Georgia

Sample Number	Sample Location	Sample ID	Matrix	Sample Depth (ft. bgs)	Sample Type	SVOC 1,1-biphenyl (8270D)	SVOC Aniline (8270D)	Soil pH	PCB Aroclor 1254 (8082A)	PCBs (8082A/1668B)	PCBs Dioxins / Furans (8290A)
1	Delineation of SB-126 and SB-128	SB-157	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
2	Delineation of SB-126 and SB-128	SB-158	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
3	Delineation of SB-126 and SB-128 - biphenyl and PCBs	SB-159	SOIL	0-2 / 2-4 ft.bgs	Grab	X				X	X
4	Delineation of SB-126 and SB-128 - biphenyl and PCBs	SB-160	SOIL	0-2 / 2-4 ft.bgs	Grab	X				X	X
5	1,1-biphenyl Delineation of SB-149.150 and SB-F1	SB-161	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
6	1,1-biphenyl Delineation of SB-149.150 and SB-F1	SB-162	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
7	1,1-biphenyl Delineation of SB-149.150 and SB-F1	SB-163	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
8	1,1-biphenyl Delineation near former Dowterm unit and SB-historical soil borings	SB-164	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
9	1,1-biphenyl Delineation near former Dowterm unit and SB-historical soil borings	SB-165	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
10	1,1-biphenyl Delineation near former Dowterm unit and SB-historical soil borings	SB-166	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
11	1,1-biphenyl Delineation near former Dowterm unit and SB-historical soil borings	SB-167	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
12	1,1-biphenyl Delineation near former Dowterm unit and SB-historical soil borings	SB-168	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
13	PCB delineatinon of SB-122	SB-169	SOIL	0-2 / 2-4 ft.bgs	Grab				X		
14	PCB delineatinon of SB-122	SB-170	SOIL	0-2 / 2-4 ft.bgs	Grab				X		
15	PCB delineatinon of SB-122	SB-171	SOIL	0-2 / 2-4 ft.bgs	Grab				X		
16	PCB delineatinon of SB-122	SB-172	SOIL	0-2 / 2-4 ft.bgs	Grab				X		
17	Dowtherm delineation	SB-173	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
18	Dowtherm delineation	SB-174	SOIL	0-2 / 2-4 ft.bgs	Grab	X					

Table 6
Soil Analytical Summary
Solenis International, L.P. - Savannah, Georgia

Sample Number	Sample Location	Sample ID	Matrix	Sample Depth (ft. bgs)	Sample Type	SVOC 1,1-biphenyl (8270D)	SVOC Aniline (8270D)	Soil pH	PCB Aroclor 1254 (8082A)	PCBs (8082A/1668B)	PCBs Dioxins / Furans (8290A)
20	Dowtherm delineation	SB-176	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
21	Dowtherm delineation	SB-177	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
22	Dowtherm delineation	SB-178	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
23	Dowtherm delineation	SB-179	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
24	Dowtherm delineation	SB-180	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
25	pH Delineation (submitted to TestAmerica for analysis). IF WATER IS OBS. AT THE BOTTOM OF THE BORING COLLECT & FIELD MEAS. pH)	SB-181	SOIL	0-2 / 2-4 ft.bgs	Grab			X			
26	pH Delineation (submitted to TestAmerica for analysis). IF WATER IS OBS. AT THE BOTTOM OF THE BORING COLLECT & FIELD MEAS. pH)	SB-182	SOIL	0-2 / 2-4 ft.bgs	Grab			X			
27	pH Delineation (submitted to TestAmerica for analysis). IF WATER IS OBS. AT THE BOTTOM OF THE BORING COLLECT & FIELD MEAS. pH)	SB-183	SOIL	0-2 / 2-4 ft.bgs	Grab			X			
28	pH Delineation (submitted to TestAmerica for analysis). IF WATER IS OBS. AT THE BOTTOM OF THE BORING COLLECT & FIELD MEAS. pH)	SB-184	SOIL	0-2 / 2-4 ft.bgs	Grab			X			
29	pH Delineation (submitted to TestAmerica for analysis). IF WATER IS OBS. AT THE BOTTOM OF THE BORING COLLECT & FIELD MEAS. pH)	SB-185	SOIL	0-2 / 2-4 ft.bgs	Grab			X			
30	Dowtherm potential pre-excavation confirmation samples	SB-186	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
31	Dowtherm potential pre-excavation confirmation samples	SB-187	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
32	Dowtherm potential pre-excavation confirmation samples	SB-188	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
33	Dowtherm potential pre-excavation confirmation samples	SB-189	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
34	Dowtherm potential pre-excavation confirmation samples	SB-190	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
35	Dowtherm potential pre-excavation confirmation samples	SB-191	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
36	Dowtherm potential pre-excavation confirmation samples	SB-192	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
37	Dowtherm potential pre-excavation confirmation samples	SB-193	SOIL	0-2 / 2-4 ft.bgs	Grab	X					

Table 6
Soil Analytical Summary
Solenis International, L.P. - Savannah, Georgia

Sample Number	Sample Location	Sample ID	Matrix	Sample Depth (ft. bgs)	Sample Type	SVOC 1,1-biphenyl (8270D)	SVOC Aniline (8270D)	Soil pH	PCB Aroclor 1254 (8082A)	PCBs (8082A/1668B)	PCBs Dioxins / Furans (8290A)
38	Dowtherm potential pre-excavation confirmation samples	SB-194	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
39	Dowtherm potential pre-excavation confirmation samples	SB-195	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
40	Dowtherm potential pre-excavation confirmation samples	SB-196	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
41	Dowtherm potential pre-excavation confirmation samples	SB-197	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
42	1,1-biphenyl Delineation near former Dowterm unit and SB-historical soil borings	SB-198	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
43	1,1-biphenyl Delineation near former Dowterm unit and SB-historical soil borings	SB-199	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
44	Aroclor and TEQ delineatinon of SB-137	SB-200	SOIL	0-2 / 2-4 ft.bgs	Grab					X	X
45	Aroclor and TEQ delineatinon of SB-137	SB-201	SOIL	0-2 / 2-4 ft.bgs	Grab					X	X
46	Aroclor and TEQ delineatinon of SB-137	SB-202	SOIL	0-2 / 2-4 ft.bgs	Grab					X	X
47	Aroclor and TEQ delineatinon of SB-137	SB-203	SOIL	0-2 / 2-4 ft.bgs	Grab					X	X
48	TEQ delineation of SB-F14 AND Aniline delineatinon of SB-F3	SB-204	SOIL	0-2 / 2-4 ft.bgs	Grab		X			X	X
49	TEQ delineation of SB-F14 AND Aniline delineatinon of SB-F3	SB-205	SOIL	0-2 / 2-4 ft.bgs	Grab		X			X	X
50	TEQ delineation of SB-F14 AND Aniline delineatinon of SB-F3	SB-206	SOIL	0-2 / 2-4 ft.bgs	Grab		X			X	X
51	TEQ delineation of SB-F14 AND Aniline delineatinon of SB-F3	SB-207	SOIL	0-2 / 2-4 ft.bgs	Grab		X			X	X
52	1,1-biphenyl delineation (DS-9)	SB-208	SOIL	0-2 / 2-4 ft.bgs	Grab	X					
53	1,1-biphenyl delineation (DS-9)	SB-209	SOIL	0-2 / 2-4 ft.bgs	Grab	X					

Notes:

ft. bgs = feet below ground surface

SB = soil boring

EB = equipment blank

TEQ = Toxic Equivalency

TEF = Toxic Equivalency Factor

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	DS-1	DS-1	DS-10	DS-10	DS-11	DS-11	DS-12	DS-12	DS-13	DS-13	DS-14
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/10/2008	11/10/2008	11/10/2008
			Sample Depth (ft bgs)	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	< 0.005 U	< 0.0049 U	< 0.0041 U	< 0.005 U	< 0.0048 U	< 0.0057 U	< 0.005 U	< 0.005 U	< 0.0042 U	< 0.0051 U	< 0.0048 U
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	< 0.025 U	**0.012 J**	**0.0026 J**	**0.0094 J**	**0.019 J**	**0.016 J**	**0.008 J**	**0.0038 J**	**0.012 J**	**0.016 J**	**0.035**
2-Methyl-1-propanol	mg/kg	1000	1000	< 0.2 U	< 0.2 U	< 0.16 U	< 0.2 U	< 0.19 U	< 0.23 U	< 0.2 U	< 0.2 U	0.17	< 0.2 U	< 0.19 U
4-Methyl-2-Pentanone	mg/kg	200	200	< 0.025 U	< 0.025 U	< 0.021 U	< 0.025 U	0.007 J	0.0043 J	< 0.025 U	< 0.025 U	< 0.021 U	< 0.025 U	0.0099 J
Acetone	mg/kg	400	400	**0.075**	**0.1**	**0.057**	**0.12**	**0.37**	**0.33**	**0.15**	**0.11**	**0.12**	**0.25**	**0.84**
Acetonitrile	mg/kg	20	20	< 0.2 U	< 0.2 U	< 0.16 U	< 0.2 U	< 0.19 U	< 0.23 U	< 0.2 U	< 0.2 U	< 0.17 U	< 0.2 U	< 0.19 U
Acrolein	mg/kg	0.1	0.1	< 0.099 U	< 0.099 U	< 0.082 U	< 0.099 U	< 0.096 U	< 0.11 U	< 0.1 U	< 0.1 U	< 0.083 U	< 0.1 U	< 0.096 U
Benzene	mg/kg	0.5	0.5	< 0.005 U	< 0.0049 U	< 0.0041 U	**0.0015 J**	**0.00085 J**	**0.00094 J**	< 0.005 U	< 0.005 U	< 0.0042 U	< 0.0051 U	**0.0019 J**
Carbon Disulfide	mg/kg	400	400	< 0.005 U	0.0022 J	< 0.0041 U	< 0.005 U	< 0.0048 U	< 0.0057 U	< 0.005 U	< 0.005 U	0.0011 J	< 0.0051 U	**0.0028 J**
Chlorobenzene	mg/kg	10	10	< 0.0099 U	< 0.0099 U	< 0.0082 U	< 0.0099 U	< 0.0096 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.0042 U	< 0.0051 U	< 0.0048 U
Ethyl Methacrylate	mg/kg	300	300	< 0.005 U	< 0.0049 U	< 0.0041 U	< 0.005 U	< 0.0048 U	< 0.0057 U	< 0.005 U	< 0.005 U	< 0.0042 U	< 0.0051 U	< 0.0048 U
Ethylbenzene	mg/kg	70	70	< 0.005 U	< 0.0049 U	< 0.0041 U	< 0.005 U	0.00088 J	< 0.0057 U	< 0.005 U	< 0.005 U	< 0.0042 U	< 0.0051 U	**0.0013 J**
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	< 0.005 U	< 0.0049 U	< 0.0041 U	< 0.005 U	< 0.0048 U	< 0.0057 U	< 0.005 U	< 0.005 U	< 0.0042 U	< 0.0051 U	< 0.0048 U
Tetrachloroethene	mg/kg	0.5	0.5	< 0.005 U	< 0.0049 U	< 0.0041 U	< 0.005 U	< 0.0048 U	< 0.0057 U	< 0.005 U	< 0.005 U	< 0.0042 U	< 0.0051 U	< 0.0048 U
Toluene	mg/kg	100	100	< 0.005 U	< 0.0049 U	< 0.0041 U	**0.0015 J**	**0.0024 J**	**0.0011 J**	< 0.005 U	< 0.005 U	< 0.0042 U	0.004 J	**0.0063**
Total Xylenes	mg/kg	1000	1000	< 0.0099 U	< 0.0099 U	< 0.0082 U	< 0.0099 U	**0.0064 J**	< 0.011 U	< 0.01 U	< 0.01 U	< 0.0083 U	< 0.01 U	0.0046 J
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	< 0.0099 U	< 0.0099 U	< 0.0082 U	< 0.0099 U	< 0.0096 U	< 0.011 U	< 0.01 U	< 0.01 U	< 0.0083 U	< 0.01 U	< 0.0096 U

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	DS-14	DS-15	DS-15	DS-16	DS-16	DS-17	DS-17	DS-18	DS-18	DS-18	DS-2
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			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	11/7/2008
			Sample Depth (ft bgs)	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	0 - 2
			Sample Type	N	N	N	N	N	N	N	N	N	FD	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	< 0.0053 U	< 0.0043 U	< 0.0055 U	< 0.0048 U	< 0.0049 U	< 0.0045 U	< 0.0051 U	< 0.005 U	< 0.005 U	< 0.0052 U	< 0.0051 U
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	**0.04**	**0.0084 J**	< 0.028 U	**0.0057 J**	**0.011 J**	**0.012 J**	**< 0.026 U**	**0.02 J**	**0.01 J**	**< 0.026 U**	**0.0088 J**
2-Methyl-1-propanol	mg/kg	1000	1000	< 0.21 U	< 0.17 U	< 0.22 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.21 U	< 0.2 U	< 0.2 U	< 0.21 U	< 0.2 U
4-Methyl-2-Pentanone	mg/kg	200	200	0.0087 J	< 0.021 U	< 0.028 U	< 0.024 U	< 0.024 U	< 0.023 U	< 0.026 U	< 0.025 U	< 0.025 U	< 0.026 U	< 0.026 U
Acetone	mg/kg	400	400	**10 D**	**0.31**	**0.052 J**	**0.087**	**0.25**	**0.24**	**0.31**	**0.32**	**0.35**	**0.23**	**0.1**
Acetonitrile	mg/kg	20	20	< 0.21 U	< 0.17 U	< 0.22 U	< 0.19 U	< 0.2 U	< 0.18 U	< 0.21 U	0.075 J	< 0.2 U	< 0.21 U	< 0.2 U
Acrolein	mg/kg	0.1	0.1	< 0.11 U	< 0.086 U	< 0.11 U	< 0.096 U	< 0.098 U	< 0.09 U	< 0.1 U	< 0.1 U	< 0.099 U	< 0.1 U	< 0.1 U
Benzene	mg/kg	0.5	0.5	0.011	< 0.0043 U	< 0.0055 U	< 0.0048 U	< 0.0049 U	< 0.0045 U	< 0.0051 U	< 0.005 U	< 0.005 U	< 0.0052 U	< 0.0051 U
Carbon Disulfide	mg/kg	400	400	< 0.0053 U	< 0.0043 U	< 0.0055 U	< 0.0048 U	< 0.0049 U	< 0.0045 U	< 0.0051 U	< 0.005 U	< 0.005 U	< 0.0052 U	< 0.0051 U
Chlorobenzene	mg/kg	10	10	< 0.0053 U	< 0.052 U	< 0.022 U	**0.0011 J**	< 0.0049 U	< 0.0045 U	< 0.0051 U	< 0.005 U	< 0.005 U	< 0.0052 U	< 0.02 U
Ethyl Methacrylate	mg/kg	300	300	< 0.0053 U	< 0.0043 U	< 0.0055 U	< 0.0048 U	< 0.0049 U	< 0.0045 U	< 0.0051 U	< 0.005 U	< 0.005 U	< 0.0052 U	< 0.0051 U
Ethylbenzene	mg/kg	70	70	**0.0092**	< 0.0043 U	< 0.0055 U	< 0.0048 U	< 0.0049 U	< 0.0045 U	< 0.0051 U	< 0.005 U	< 0.005 U	< 0.0052 U	< 0.0051 U
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	< 0.0053 U	< 0.0043 U	< 0.0055 U	< 0.0048 U	< 0.0049 U	< 0.0045 U	< 0.0051 U	< 0.005 U	< 0.005 U	< 0.0052 U	< 0.0051 U
Tetrachloroethene	mg/kg	0.5	0.5	< 0.0053 U	< 0.0043 U	< 0.0055 U	< 0.0048 U	< 0.0049 U	< 0.0045 U	< 0.0051 U	< 0.005 U	< 0.005 U	< 0.0052 U	< 0.0051 U
Toluene	mg/kg	100	100	**0.044**	**0.0049**	< 0.0055 U	< 0.0048 U	< 0.0049 U	< 0.0045 U	< 0.0051 U	0.0017 J	< 0.005 U	< 0.0052 U	0.00088 J
Total Xylenes	mg/kg	1000	1000	**0.004 J**	**0.0048 J**	< 0.011 U	< 0.0096 U	< 0.0098 U	**0.0029 J**	**0.0093 J**	**< 0.01 U**	< 0.0099 U	< 0.01 U	< 0.01 U
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	< 0.011 U	**0.02**	< 0.011 U	< 0.0096 U	< 0.0098 U	< 0.009 U	< 0.01 U	< 0.01 U	< 0.0099 U	< 0.01 U	< 0.01 U

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	DS-2	DS-3	DS-3	DS-4	DS-4	DS-5	DS-5	DS-6	DS-6	DS-7	DS-7
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008
			Sample Depth (ft bgs)	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	< 0.0058 U	< 0.17 UD	< 0.0051 U	< 0.0043 U	< 0.0041 U	< 0.0057 U	< 0.0054 U	< 0.0048 U	< 0.0059 U	< 0.0048 U	< 0.0044 U
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	**< 0.029 U**	**< 0.85 UD**	**0.023 J**	**0.015 J**	**0.0099 J**	**0.0034 J**	**0.017 J**	**0.023 J**	**0.0087 J**	**0.046**	0.028
2-Methyl-1-propanol	mg/kg	1000	1000	< 0.23 U	< 6.8 UD	< 0.2 U	< 0.17 U	< 0.16 U	< 0.23 U	< 0.22 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.18 U
4-Methyl-2-Pentanone	mg/kg	200	200	< 0.029 U	< 0.85 UD	< 0.026 U	< 0.021 U	< 0.02 U	< 0.028 U	< 0.027 U	< 0.024 U	< 0.03 U	< 0.024 U	< 0.022 U
Acetone	mg/kg	400	400	**0.048 J**	**0.56 JD**	**0.53**	**0.31**	**0.18**	**0.11**	**0.35**	**0.51**	**0.24**	**0.38**	**0.41**
Acetonitrile	mg/kg	20	20	< 0.23 U	< 6.8 UD	< 0.2 U	< 0.17 U	< 0.16 U	< 0.23 U	< 0.22 U	< 0.19 U	< 0.24 U	< 0.19 U	< 0.18 U
Acrolein	mg/kg	0.1	0.1	< 0.12 U	< 3.4 UD	< 0.1 U	< 0.086 U	< 0.081 U	< 0.11 U	< 0.11 U	< 0.097 U	< 0.12 U	< 0.096 U	< 0.089 U
Benzene	mg/kg	0.5	0.5	< 0.0058 U	< 0.17 UD	**0.0018 J**	< 0.0043 U	< 0.0041 U	< 0.0057 U	< 0.0054 U	**0.0011 J**	**0.0039 J**	**0.0018 J**	**0.0019 J**
Carbon Disulfide	mg/kg	400	400	< 0.0058 U	< 0.17 UD	< 0.0051 U	< 0.0043 U	**0.0016 J**	< 0.0057 U	< 0.0054 U	< 0.0048 U	**0.0017 J**	**0.0025 J**	**0.0011 J**
Chlorobenzene	mg/kg	10	10	< 0.023 U	< 0.17 UD	< 0.051 U	< 0.0086 U	< 0.016 U	< 0.023 U	< 0.022 U	< 0.0097 U	< 0.012 U	< 0.0096 U	< 0.0089 U
Ethyl Methacrylate	mg/kg	300	300	< 0.0058 U	< 0.17 UD	< 0.0051 U	< 0.0043 U	< 0.0041 U	< 0.0057 U	< 0.0054 U	< 0.0048 U	< 0.0059 U	< 0.0048 U	< 0.0044 U
Ethylbenzene	mg/kg	70	70	< 0.0058 U	< 0.17 UD	**0.0049 J**	< 0.0043 U	< 0.0041 U	< 0.0057 U	< 0.0054 U	**0.0021 J**	**0.0028 J**	< 0.0048 U	< 0.0044 U
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	< 0.0058 U	< 0.17 UD	< 0.0051 U	< 0.0043 U	< 0.0041 U	< 0.0057 U	< 0.0054 U	< 0.0048 U	**0.0029 J**	< 0.0048 U	< 0.0044 U
Tetrachloroethene	mg/kg	0.5	0.5	< 0.0058 U	< 0.17 UD	< 0.0051 U	< 0.0043 U	< 0.0041 U	< 0.0057 U	< 0.0054 U	< 0.0048 U	< 0.0059 U	< 0.0048 U	< 0.0044 U
Toluene	mg/kg	100	100	< 0.0058 U	< 0.17 UD	**0.0048 J**	< 0.0043 U	**0.00078 J**	**0.0012 J**	**0.0011 J**	**0.029**	**0.11**	< 0.0048 U	0.0012 J
Total Xylenes	mg/kg	1000	1000	< 0.012 U	< 0.34 UD	**0.025**	< 0.0086 U	< 0.0081 U	< 0.011 U	0.0054 J	0.0066 J	0.0031 J	< 0.0096 U	< 0.0089 U
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	< 0.012 U	< 0.34 UD	< 0.01 U	< 0.0086 U	< 0.0081 U	< 0.011 U	< 0.011 U	< 0.0097 U	< 0.012 U	< 0.0096 U	< 0.0089 U

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	DS-8	DS-9	DS-9	EX-19	EX-21	EX-22	EX-23	EX-26	EX-27	EX-27	GP-10
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	11/7/2008	11/7/2008	11/7/2008	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/26/2007
			Sample Depth (ft bgs)	0 - 2	0 - 2	2 - 4	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Type	N	N	N	N	N	N	N	N	FD	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	< 0.0042 U	< 0.0057 U	< 0.0046 U	< 0.68 U	< 0.0064 U	< 1.1 U	< 3.7 U	< 0.24 U	< 0.36 U	< 0.64 U	< 0.24 U
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	0.0057 J	0.038	0.037	< 3.4 U	< 0.032 U	< 5.6 U	< 19 U	< 1.2 U	< 1.8 U	< 3.2 U	< 1.2 U
2-Methyl-1-propanol	mg/kg	1000	1000	< 0.17 U	< 0.23 U	< 0.18 U	< 27 U	< 0.26 U	< 45 U	< 150 U	< 9.5 U	< 15 U	< 26 U	< 9.7 U
4-Methyl-2-Pentanone	mg/kg	200	200	< 0.021 U	< 0.028 U	< 0.023 U	< 3.4 U	< 0.032 U	< 5.6 U	< 19 U	< 1.2 U	< 1.8 U	< 3.2 U	< 1.2 U
Acetone	mg/kg	400	400	**0.068**	**0.32**	**0.44**	**< 6.8 U**	**0.18**	< 11 U	< 37 U	< 2.4 U	< 3.6 U	< 6.4 U	< 2.4 U
Acetonitrile	mg/kg	20	20	< 0.17 U	< 0.23 U	< 0.18 U	< 27 U	< 0.26 U	< 45 U	< 150 U	< 9.5 U	< 15 U	< 26 U	< 9.7 U
Acrolein	mg/kg	0.1	0.1	< 0.084 U	< 0.11 U	< 0.091 U	< 14 U	< 0.13 U	< 23 U	< 74 U	< 4.8 U	< 7.3 U	< 13 U	< 4.8 U
Benzene	mg/kg	0.5	0.5	**< 0.0042 U**	**0.037**	**0.0039 J**	< 0.68 U	< 0.0064 U	< 1.1 U	< 3.7 U	< 0.24 U	< 0.36 U	< 0.64 U	< 0.24 U
Carbon Disulfide	mg/kg	400	400	< 0.0042 U	< 0.0057 U	0.0083	< 0.68 U	< 0.0064 U	< 1.1 U	< 3.7 U	< 0.24 U	< 0.36 U	< 0.64 U	< 0.24 U
Chlorobenzene	mg/kg	10	10	< 0.0084 U	< 0.023 U	< 0.0091 U	< 0.68 U	< 0.0064 U	< 1.1 U	< 3.7 U	< 0.24 U	< 0.36 U	< 0.64 U	< 0.24 U
Ethyl Methacrylate	mg/kg	300	300	< 0.0042 U	< 0.0057 U	< 0.0046 U	< 0.68 U	< 0.0064 U	< 1.1 U	< 3.7 U	< 0.24 U	< 0.36 U	< 0.64 U	< 0.24 U
Ethylbenzene	mg/kg	70	70	**0.002 J**	**0.003 J**	**0.0039 J**	**3.3**	< 0.0064 U	< 1.1 U	< 3.7 U	< 0.24 U	< 0.36 U	< 0.64 U	**0.97**
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	< 0.0042 U	< 0.0057 U	< 0.0046 U	< 0.68 U	< 0.0064 U	< 1.1 U	< 3.7 U	< 0.24 U	< 0.36 U	< 0.64 U	< 0.24 U
Tetrachloroethene	mg/kg	0.5	0.5	< 0.0042 U	< 0.0057 U	< 0.0046 U	< 0.68 U	< 0.0064 U	< 1.1 U	< 3.7 U	< 0.24 U	< 0.36 U	< 0.64 U	< 0.24 U
Toluene	mg/kg	100	100	**0.0046**	**0.001 J**	**0.0065**	**2.8**	< 0.0064 U	< 1.1 U	< 3.7 U	< 0.24 U	< 0.36 U	< 0.64 U	**0.43**
Total Xylenes	mg/kg	1000	1000	**0.017**	**0.0057 J**	**0.012**	**14**	< 0.013 U	**2.3**	< 7.4 U	< 0.48 U	< 0.73 U	**2.6**	**8.1**
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	< 0.0084 U	< 0.011 U	< 0.0091 U	< 1.4 U	< 0.013 U	< 2.3 U	< 7.4 U	< 0.48 U	< 0.73 U	< 1.3 U	< 0.48 U

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	GP-11	GP-13	GP-14	GP-15	GP-16	GP-18	GP-2	GP-5	GP-6	GP-7	GP-8
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	7/26/2007	7/26/2007	7/26/2007	7/26/2007	7/27/2007	7/27/2007	7/26/2007	7/26/2007	7/26/2007	7/26/2007	7/26/2007
			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
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	< 0.2 U	< 0.25 U	< 0.17 U	< 0.17 U	< 0.67 U	< 0.0072 U	< 0.3 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.34 U
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	< 1 U	< 1.3 U	< 0.83 U	< 0.86 U	< 3.3 U	< 0.036 U	< 1.5 U	< 1.2 U	< 1.1 U	< 1.2 U	< 1.7 U
2-Methyl-1-propanol	mg/kg	1000	1000	< 8 U	< 10 U	< 6.7 U	< 6.9 U	< 27 U	< 0.29 U	< 12 U	< 9.7 U	< 8.8 U	< 9.8 U	< 14 U
4-Methyl-2-Pentanone	mg/kg	200	200	< 1 U	< 1.3 U	< 0.83 U	< 0.86 U	< 3.3 U	< 0.036 U	< 1.5 U	< 1.2 U	< 1.1 U	< 1.2 U	< 1.7 U
Acetone	mg/kg	400	400	< 2 U	< 2.5 U	< 1.7 U	< 1.7 U	< 6.7 U	**0.13**	< 3 U	< 2.4 U	< 2.2 U	< 2.4 U	< 3.4 U
Acetonitrile	mg/kg	20	20	< 8 U	< 10 U	< 6.7 U	< 6.9 U	< 27 U	< 0.29 U	< 12 U	< 9.7 U	< 8.8 U	< 9.8 U	< 14 U
Acrolein	mg/kg	0.1	0.1	< 4 U	< 5.1 U	< 3.3 U	< 3.4 U	< 13 U	< 0.14 U	< 5.9 U	< 4.9 U	< 4.4 U	< 4.9 U	< 6.8 U
Benzene	mg/kg	0.5	0.5	< 0.2 U	< 0.25 U	< 0.17 U	< 0.17 U	< 0.67 U	< 0.0072 U	< 0.3 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.34 U
Carbon Disulfide	mg/kg	400	400	< 0.2 U	< 0.25 U	< 0.17 U	< 0.17 U	< 0.67 U	< 0.0072 U	< 0.3 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.34 U
Chlorobenzene	mg/kg	10	10	< 0.2 U	< 0.25 U	< 0.17 U	< 0.17 U	< 0.67 U	< 0.0072 U	< 0.3 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.34 U
Ethyl Methacrylate	mg/kg	300	300	< 0.2 U	< 0.25 U	< 0.17 U	< 0.17 U	**0.89**	< 0.0072 U	< 0.3 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.34 U
Ethylbenzene	mg/kg	70	70	< 0.2 U	< 0.25 U	< 0.17 U	< 0.17 U	< 0.67 U	< 0.0072 U	< 0.3 U	< 0.24 U	< 0.22 U	< 0.24 U	**0.67**
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	< 0.2 U	< 0.25 U	< 0.17 U	< 0.17 U	< 0.67 U	< 0.0072 U	< 0.3 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.34 U
Tetrachloroethene	mg/kg	0.5	0.5	< 0.2 U	< 0.25 U	< 0.17 U	< 0.17 U	< 0.67 U	< 0.0072 U	< 0.3 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.34 U
Toluene	mg/kg	100	100	< 0.2 U	< 0.25 U	< 0.17 U	< 0.17 U	**0.79**	< 0.0072 U	< 0.3 U	< 0.24 U	< 0.22 U	< 0.24 U	< 0.34 U
Total Xylenes	mg/kg	1000	1000	< 0.4 U	**1.1**	< 0.33 U	< 0.34 U	**4**	< 0.014 U	< 0.59 U	< 0.49 U	< 0.44 U	**0.89**	**1.3**
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	< 0.4 U	< 0.51 U	< 0.33 U	< 0.34 U	< 1.3 U	< 0.014 U	< 0.59 U	< 0.49 U	< 0.44 U	< 0.49 U	< 0.68 U

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	Hard Resins	Hard Resins	SB-100	SB-100	SB-100	SB-101	SB-101	SB-102	SB-102	SB-103	SB-103
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	6/5/2000	6/5/2000	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008
			Sample Depth (ft bgs)	1 - 3	4 - 6	2 - 4	2 - 4	4 - 6	2 - 4	4 - 6	2 - 4	4 - 6	0 - 2	2 - 4
			Sample Type	N	N	FD	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	mg/kg	1000	1000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	200	200	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/kg	0.1	0.1	< 0.11 U	< 0.13 U	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	0.5	0.5	--	--	**0.0032 J**	< 0.0042 U	< 0.0049 U	< 0.0048 U	< 0.0044 U	< 0.0042 U	< 0.0045 U	< 0.0041 U	< 1.6 UD
Carbon Disulfide	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	10	10	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	mg/kg	300	300	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	70	70	--	--	**0.002 J**	< 0.0042 U	< 0.0049 U	**0.0023 J**	**0.0063**	< 0.0042 U	0.00087 J	< 0.0041 U	**2.1 D**
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	100	100	--	--	**0.011**	**0.00071 J**	< 0.0049 U	**0.0015 J**	**0.0048**	**0.0011 J**	**0.0046**	**0.00068 J**	**2.2 D**
Total Xylenes	mg/kg	1000	1000	--	--	**0.014**	< 0.0085 U	< 0.0099 U	**0.02**	**0.057**	< 0.0083 U	**0.008 J**	< 0.0081 U	**15 D**
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	--	--	--	--	--	--	--	--	--	--	--

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SB-103	SB-105	SB-105	SB-107	SB-107	SB-107	SB-108	SB-108	SB-109	SB-109	SB-110
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	8/19/2014	8/19/2014	8/20/2014	8/20/2014	8/20/2014
			Sample Depth (ft bgs)	4 - 6	2 - 4	4 - 6	0 - 2	2 - 4	4 - 6	0 - 1	1 - 3	0 - 1	1 - 3	0 - 1
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	--	--	--	--	--	--	< 0.0054 U	< 0.0056 U	< 0.0049 U	< 0.0055 U	< 0.0045 U
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	< 0.054 U	< 0.056 U	< 0.049 U	< 0.055 U	< 0.045 U
2-Butanone (MEK)	mg/kg	200	200	--	--	--	--	--	--	< 0.027 U	< 0.028 U	< 0.024 U	< 0.028 U	< 0.022 U
2-Methyl-1-propanol	mg/kg	1000	1000	--	--	--	--	--	--	< 0.22 U	< 0.22 U	< 0.2 U	< 0.22 U	< 0.18 U
4-Methyl-2-Pentanone	mg/kg	200	200	--	--	--	--	--	--	< 0.027 U	< 0.028 U	< 0.024 U	< 0.028 U	< 0.022 U
Acetone	mg/kg	400	400	--	--	--	--	--	--	< 0.054 U	< 0.056 U	< 0.049 U	< 0.055 U	**0.095**
Acetonitrile	mg/kg	20	20	--	--	--	--	--	--	< 0.22 U	< 0.22 U	< 0.2 U	< 0.22 U	< 0.18 U
Acrolein	mg/kg	0.1	0.1	--	--	--	--	--	--	< 0.11 U	< 0.11 U	< 0.098 U	< 0.11 U	< 0.09 U
Benzene	mg/kg	0.5	0.5	< 1.7 UD	< 0.004 U	< 0.0043 U	< 0.0044 U	< 0.0043 U	< 0.0048 U	< 0.0054 U	< 0.0056 U	< 0.0049 U	< 0.0055 U	< 0.0045 U
Carbon Disulfide	mg/kg	400	400	--	--	--	--	--	--	< 0.0054 U	< 0.0056 U	< 0.0049 U	< 0.0055 U	< 0.0045 U
Chlorobenzene	mg/kg	10	10	--	--	--	--	--	--	< 0.0054 U	< 0.0056 U	< 0.0049 U	< 0.0055 U	< 0.0045 U
Ethyl Methacrylate	mg/kg	300	300	--	--	--	--	--	--	< 0.0054 U	< 0.0056 U	< 0.0049 U	< 0.0055 U	< 0.0045 U
Ethylbenzene	mg/kg	70	70	**1.3 JD**	< 0.004 U	< 0.0043 U	< 0.0044 U	< 0.0043 U	< 0.0048 U	< 0.0054 U	< 0.0056 U	< 0.0049 U	< 0.0055 U	< 0.0045 U
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	< 0.0054 U	< 0.0056 U	< 0.0049 U*	< 0.0055 U	< 0.0045 U*
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	--	--	--	--	--	--	< 0.0054 U	< 0.0056 U	< 0.0049 U	< 0.0055 U	< 0.0045 U
Tetrachloroethene	mg/kg	0.5	0.5	--	--	--	--	--	--	< 0.0054 U	< 0.0056 U	< 0.0049 U	< 0.0055 U	< 0.0045 U
Toluene	mg/kg	100	100	**1.5 JD**	< 0.004 U	**0.00077 J**	< 0.0044 U	< 0.0043 U	**0.00089 J**	< 0.0054 U	< 0.0056 U	< 0.0049 U	< 0.0055 U	< 0.0045 U
Total Xylenes	mg/kg	1000	1000	**9.1 D**	< 0.008 U	< 0.0086 U	< 0.0088 U	< 0.0086 U	< 0.0097 U	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.011 U	< 0.0090 U
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	--	--	--	--	--	--	< 0.011 U	< 0.011 U	< 0.0098 U	< 0.011 U	< 0.0090 U

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SB-111	SB-113	SB-114	SB-116	SB-117	SB-118	SB-119	SB-120	SB-120	SB-126	SB-128
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	8/21/2014	8/21/2014	8/20/2014	8/21/2014	8/20/2014	8/20/2014	8/21/2014	8/20/2014	8/20/2014	8/21/2014	8/21/2014
			Sample Depth (ft bgs)	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	< 0.0029 U	< 0.0045 U	< 0.0049 U	< 0.0041 U	< 0.0049 U	--	--	--	--	< 2 U	< 0.0052 U
1,4-Dioxane	mg/kg	7	7	< 0.029 U	< 0.045 U	< 0.049 U	< 0.041 U	< 0.049 U	--	--	--	--	< 20 U	< 0.052 U
2-Butanone (MEK)	mg/kg	200	200	< 0.014 U	< 0.023 U	< 0.024 U	< 0.021 U	< 0.025 U	--	--	--	--	< 9.8 U	< 0.026 U
2-Methyl-1-propanol	mg/kg	1000	1000	< 0.12 U	< 0.18 U	< 0.19 U	< 0.16 U	< 0.2 U	--	--	--	--	< 79 U	< 0.21 U
4-Methyl-2-Pentanone	mg/kg	200	200	< 0.014 U	< 0.023 U	< 0.024 U	< 0.021 U	< 0.025 U	--	--	--	--	< 9.8 U	< 0.026 U
Acetone	mg/kg	400	400	< 0.029 U	**0.083**	< 0.049 U	< 0.041 U	< 0.049 U	--	--	--	--	< 20 U	< 0.052 U
Acetonitrile	mg/kg	20	20	< 0.12 U	< 0.18 U	< 0.19 U	< 0.16 U	< 0.2 U	--	--	--	--	< 79 U	< 0.21 U
Acrolein	mg/kg	0.1	0.1	< 0.058 U	< 0.09 U	< 0.097 U	< 0.082 U	< 0.098 U	--	--	--	--	< 39 U	< 0.1 U
Benzene	mg/kg	0.5	0.5	< 0.0029 U	< 0.0045 U	< 0.0049 U	< 0.0041 U	< 0.0049 U	< 0.0041 U	< 0.0045 U	--	--	< 2 U	< 0.0052 U
Carbon Disulfide	mg/kg	400	400	< 0.0029 U	< 0.0045 U	< 0.0049 U	< 0.0041 U	< 0.0049 U	--	--	--	--	< 2 U	< 0.0052 U
Chlorobenzene	mg/kg	10	10	< 0.0029 U	< 0.0045 U	< 0.0049 U	< 0.0041 U	< 0.0049 U	--	--	--	--	< 2 U	< 0.0052 U
Ethyl Methacrylate	mg/kg	300	300	< 0.0029 U	< 0.0045 U	< 0.0049 U	< 0.0041 U	< 0.0049 U	--	--	--	--	< 2 U	< 0.0052 U
Ethylbenzene	mg/kg	70	70	< 0.0029 U	< 0.0045 U	< 0.0049 U	< 0.0041 U	< 0.0049 U	--	--	--	--	< 2 U	< 0.0052 U
Formaldehyde	mg/kg	100	100	**0.11**	**0.92**	**0.36**	--	--	--	--	**0.14**	**0.14**	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	< 0.0029 U*	< 0.0045 U*	< 0.0049 U	< 0.0041 U*	< 0.0049 U	--	--	--	--	2.6	< 0.0052 U
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	< 0.0029 U	< 0.0045 U	< 0.0049 U	< 0.0041 U	< 0.0049 U	--	--	--	--	< 2 U	< 0.0052 U
Tetrachloroethene	mg/kg	0.5	0.5	< 0.0029 U	< 0.0045 U	< 0.0049 U	< 0.0041 U	< 0.0049 U	--	--	--	--	< 2 U	< 0.0052 U
Toluene	mg/kg	100	100	< 0.0029 U	< 0.0045 U	< 0.0049 U	< 0.0041 U	< 0.0049 U	--	--	--	--	< 2 U	< 0.0052 U
Total Xylenes	mg/kg	1000	1000	< 0.0058 U	< 0.0090 U	< 0.0097 U	< 0.0082 U	< 0.0098 U	--	--	--	--	< 3.9 U	< 0.01 U
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	< 0.0058 U	< 0.0090 U	< 0.0097 U	< 0.0082 U	< 0.0098 U	--	--	--	--	< 3.9 U	< 0.01 U

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SB-129	SB-129	SB-130	SB-131	SB-132	SB-133	SB-134	SB-138	SB-139	SB-140	SB-140
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/19/2014	8/19/2014	8/20/2014	8/21/2014	8/21/2014	8/21/2014
			Sample Depth (ft bgs)	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U	< 0.0044 U	--	--	--	--
1,4-Dioxane	mg/kg	7	7	< 0.05 U	< 0.051 U	< 0.051 U	< 0.046 U	< 0.046 U	< 0.058 U	< 0.044 U	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	< 0.025 U	< 0.025 U	< 0.026 U	< 0.023 U	< 0.023 U	< 0.029 U	< 0.022 U	--	--	--	--
2-Methyl-1-propanol	mg/kg	1000	1000	< 0.2 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.23 U	< 0.17 U	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	200	200	< 0.025 U	< 0.025 U	< 0.026 U	< 0.023 U	< 0.023 U	< 0.029 U	< 0.022 U	--	--	--	--
Acetone	mg/kg	400	400	< 0.05 U	< 0.051 U	**0.26**	**0.11**	< 0.046 U	< 0.058 U	< 0.044 U	--	--	--	--
Acetonitrile	mg/kg	20	20	< 0.2 U	< 0.2 U	< 0.2 U	< 0.19 U	< 0.19 U	< 0.23 U	< 0.17 U	--	--	--	--
Acrolein	mg/kg	0.1	0.1	< 0.1 U	< 0.1 U	< 0.1 U	< 0.093 U	< 0.093 U	< 0.12 U	< 0.087 U	< 0.1 U	< 0.094 U	< 0.095 U	< 0.09 U
Benzene	mg/kg	0.5	0.5	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U	< 0.0044 U	--	--	--	--
Carbon Disulfide	mg/kg	400	400	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U	< 0.0044 U	--	--	--	--
Chlorobenzene	mg/kg	10	10	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U	< 0.0044 U	--	--	--	--
Ethyl Methacrylate	mg/kg	300	300	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U	< 0.0044 U	--	--	--	--
Ethylbenzene	mg/kg	70	70	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U	< 0.0044 U	--	--	--	--
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U*	< 0.0044 U	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U	< 0.0044 U	--	--	--	--
Tetrachloroethene	mg/kg	0.5	0.5	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U	< 0.0044 U	--	--	--	--
Toluene	mg/kg	100	100	< 0.0050 U	< 0.0051 U	< 0.0051 U	< 0.0046 U	< 0.0046 U	< 0.0058 U	< 0.0044 U	--	--	--	--
Total Xylenes	mg/kg	1000	1000	< 0.01 U	< 0.01 U	< 0.01 U	< 0.0093 U	< 0.0093 U	< 0.012 U	< 0.0087 U	--	--	--	--
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	< 0.01 U	< 0.01 U	< 0.01 U	< 0.0093 U	< 0.0093 U	< 0.012 U	< 0.0087 U	--	--	--	--

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SB-141	SB-142	SB-142	SB-98	SB-98	SB-98	SB-99	SB-99	SB-F1	SB-F12	SB-F14
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	8/20/2014	8/21/2014	8/21/2014	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	10/19/2000	10/20/2000	8/20/2014
			Sample Depth (ft bgs)	0 - 1	0 - 1	1 - 3	2 - 4	2 - 4	4 - 6	2 - 4	4 - 6	1 - 3	1 - 3	0 - 1
			Sample Type	N	N	N	FD	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	< 0.0058 U	< 0.0057 U	--
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	--	--	--	--	--	--	--	--	**0.035**	< 0.028 U	--
2-Methyl-1-propanol	mg/kg	1000	1000	--	--	--	--	--	--	--	--	< 0.23 U	< 0.23 U	--
4-Methyl-2-Pentanone	mg/kg	200	200	--	--	--	--	--	--	--	--	< 0.029 U	< 0.028 U	--
Acetone	mg/kg	400	400	--	--	--	--	--	--	--	--	**0.44**	< 0.057 U	--
Acetonitrile	mg/kg	20	20	--	--	--	--	--	--	--	--	< 0.23 U	< 0.23 U	--
Acrolein	mg/kg	0.1	0.1	< 120 U	< 0.089 U	< 0.096 U	--	--	--	--	--	< 0.12 U	< 0.11 U	< 0.12 U
Benzene	mg/kg	0.5	0.5	--	--	--	< 0.0043 U	< 0.0048 U	< 0.005 U	< 0.96 UD	**0.097 JD**	< 0.0058 U	< 0.0057 U	--
Carbon Disulfide	mg/kg	400	400	--	--	--	--	--	--	--	--	< 0.0058 U	< 0.0057 U	--
Chlorobenzene	mg/kg	10	10	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	mg/kg	300	300	--	--	--	--	--	--	--	--	< 0.0058 U	< 0.0057 U	--
Ethylbenzene	mg/kg	70	70	--	--	--	< 0.0043 U	< 0.0048 U	0.0009 J	**10 D**	**2.3 D**	< 0.0058 U	< 0.0057 U	--
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	--	--	--	--	--	--	--	--	< 0.0058 U	< 0.0057 U	--
Tetrachloroethene	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	< 0.0058 U	< 0.0057 U	--
Toluene	mg/kg	100	100	--	--	--	< 0.0043 U	< 0.0048 U	< 0.005 U	**8.9 D**	**3.1 D**	< 0.0058 U	< 0.0057 U	--
Total Xylenes	mg/kg	1000	1000	--	--	--	< 0.0086 U	< 0.0096 U	0.0037 J	**83 D**	**19 D**	< 0.012 U	< 0.011 U	--
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	--	--	--	--	--	--	--	--	< 0.012 U	< 0.011 U	--

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SB-F14	SB-F15	SB-F19	SB-F27	SB-F27	SB-F27	SB-F3	SB-F3A	SB-F3RE	SB-F4	SB-F6
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	10/19/2000	10/18/2000	10/17/2000	8/19/2014	8/19/2014	10/19/2000	10/24/2000	11/8/2002	12/19/2002	10/19/2000	10/19/2000
			Sample Depth (ft bgs)	1 - 3	0 - 3	0 - 3	0 - 1	1 - 3	1 - 3	0 - 2	0 - 1	0 - 2	0.5 - 2	1 - 3
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	< 0.0062 U	< 0.0057 U	< 0.0052 U	--	--	< 0.0056 U	< 0.25 U	--	--	< 0.0053 U	< 0.0058 U
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	< 0.031 U	< 0.029 U	< 0.026 U	--	--	< 0.028 U	< 1.2 U	< 0.035 U	< 0.03 U	< 0.026 U	**0.037**
2-Methyl-1-propanol	mg/kg	1000	1000	< 0.25 U	< 0.23 U	< 0.21 U	--	--	< 0.22 U	< 49 U	--	--	< 0.21 U	< 0.23 U
4-Methyl-2-Pentanone	mg/kg	200	200	< 0.031 U	< 0.029 U	< 0.026 U	--	--	< 0.028 U	< 1.2 U	--	--	< 0.026 U	< 0.029 U
Acetone	mg/kg	400	400	< 0.093 U	**0.22**	< 0.052 U	--	--	< 0.056 U	**4.1**	< 0.07 U	**0.068**	**0.28**	**0.24**
Acetonitrile	mg/kg	20	20	< 0.25 U	< 0.23 U	< 0.21 U	--	--	< 0.22 U	< 9.9 U	--	--	< 0.21 U	< 0.23 U
Acrolein	mg/kg	0.1	0.1	< 0.12 U	< 0.11 U	< 0.1 U	< 0.087 U	< 0.095 U	< 0.11 U	< 4.9 U	--	--	< 0.1 U	< 0.12 U
Benzene	mg/kg	0.5	0.5	< 0.0062 U	< 0.0057 U	< 0.0052 U	--	--	< 0.0056 U	< 0.25 U	< 0.007 U	< 0.006 U	< 0.0053 U	< 0.0058 U
Carbon Disulfide	mg/kg	400	400	< 0.0062 U	< 0.0057 U	< 0.0052 U	--	--	< 0.0056 U	< 0.25 U	< 0.007 U	< 0.006 U	< 0.0053 U	**0.0076**
Chlorobenzene	mg/kg	10	10	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	mg/kg	300	300	< 0.0062 U	< 0.0057 U	< 0.0052 U	--	--	< 0.0056 U	< 0.25 U	--	--	< 0.0053 U	< 0.0058 U
Ethylbenzene	mg/kg	70	70	< 0.0062 U	< 0.0057 U	< 0.0052 U	--	--	< 0.0056 U	< 0.25 U	< 0.007 U	< 0.006 U	< 0.0053 U	**0.012**
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	< 0.007 U	< 0.006 U	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	< 0.007 U	< 0.006 U	--	--
Styrene (Monomer)	mg/kg	14	14	< 0.0062 U	< 0.0057 U	< 0.0052 U	--	--	< 0.0056 U	< 0.25 U	--	--	< 0.0053 U	< 0.0058 U
Tetrachloroethene	mg/kg	0.5	0.5	< 0.0062 U	< 0.0057 U	< 0.0052 U	--	--	< 0.0056 U	< 0.25 U	--	--	< 0.0053 U	< 0.0058 U
Toluene	mg/kg	100	100	< 0.0062 U	< 0.0057 U	< 0.0052 U	--	--	< 0.0056 U	< 0.25 U	< 0.007 U	< 0.006 U	< 0.0053 U	0.012
Total Xylenes	mg/kg	1000	1000	< 0.012 U	< 0.011 U	< 0.01 U	--	--	< 0.011 U	< 0.49 U	< 0.014 U	< 0.012 U	< 0.01 U	**0.079**
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	< 0.012 U	< 0.011 U	< 0.01 U	--	--	< 0.011 U	< 0.49 U	--	--	< 0.01 U	< 0.012 U

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SS-1	SS-2	SS-3	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-4	SS-43
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	7/2/2004	7/2/2004	7/2/2004	11/8/2002	11/8/2002	11/8/2002	11/8/2002	11/8/2002	11/8/2002	7/2/2004	12/20/2002
			Sample Depth (ft bgs)	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	1 - 2
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	< 0.0059 U	< 0.0057 U	< 0.0056 U	--	--	--	--	--	--	< 0.006 U	--
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	< 0.029 U	< 0.028 U	< 0.028 U	< 0.034 U	**0.049**	**0.029**	< 0.033 U	< 0.034 U	**0.034**	< 0.03 U	< 0.028 U
2-Methyl-1-propanol	mg/kg	1000	1000	< 0.24 U	< 0.23 U	< 0.22 U	--	--	--	--	--	--	< 0.24 U	--
4-Methyl-2-Pentanone	mg/kg	200	200	< 0.029 U	< 0.028 U	< 0.028 U	--	--	--	--	--	--	< 0.03 U	--
Acetone	mg/kg	400	400	< 0.059 U	**0.065**	**0.16**	**0.19**	**0.14**	**0.28**	< 0.065 U	< 0.068 U	**0.35**	0.072	< 0.057 U
Acetonitrile	mg/kg	20	20	< 0.24 U	< 0.23 U	< 0.22 U	--	--	--	--	--	--	< 0.24 U	--
Acrolein	mg/kg	0.1	0.1	< 0.12 U	< 0.11 U	< 0.11 U	--	--	--	--	--	--	< 0.12 U	--
Benzene	mg/kg	0.5	0.5	< 0.0059 U	< 0.0057 U	< 0.0056 U	< 0.0068 U	< 0.0064 U	< 0.0056 U	< 0.0065 U	< 0.0068 U	< 0.0067 U	< 0.006 U	< 0.0057 U
Carbon Disulfide	mg/kg	400	400	< 0.0059 U	< 0.0057 U	< 0.0056 U	< 0.0068 U	< 0.0064 U	< 0.0056 U	< 0.0065 U	< 0.0068 U	< 0.0067 U	< 0.006 U	< 0.0057 U
Chlorobenzene	mg/kg	10	10	< 0.0059 U	< 0.0057 U	< 0.0056 U	--	--	--	--	--	--	< 0.006 U	--
Ethyl Methacrylate	mg/kg	300	300	< 0.0059 U	< 0.0057 U	< 0.0056 U	--	--	--	--	--	--	< 0.006 U	--
Ethylbenzene	mg/kg	70	70	< 0.0059 U	< 0.0057 U	< 0.0056 U	< 0.0068 U	< 0.0064 U	< 0.0056 U	< 0.0065 U	< 0.0068 U	< 0.0067 U	< 0.006 U	< 0.0057 U
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	< 0.0068 U	**0.024**	< 0.0056 U	< 0.0065 U	**0.022**	**0.016**	--	< 0.0057 U
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	< 0.0068 U	< 0.0064 U	< 0.0056 U	< 0.0065 U	< 0.0068 U	< 0.0067 U	--	< 0.0057 U
Styrene (Monomer)	mg/kg	14	14	< 0.0059 U	< 0.0057 U	< 0.0056 U	--	--	--	--	--	--	< 0.006 U	--
Tetrachloroethene	mg/kg	0.5	0.5	< 0.0059 U	< 0.0057 U	< 0.0056 U	--	--	--	--	--	--	< 0.006 U	--
Toluene	mg/kg	100	100	< 0.0059 U	< 0.0057 U	< 0.0056 U	< 0.0068 U	< 0.0064 U	< 0.0056 U	< 0.0065 U	< 0.0068 U	< 0.0067 U	< 0.006 U	< 0.0057 U
Total Xylenes	mg/kg	1000	1000	< 0.012 U	< 0.011 U	< 0.011 U	< 0.014 U	**0.024**	< 0.011 U	< 0.013 U	**0.022**	**0.016**	< 0.012 U	< 0.011 U
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	< 0.012 U	< 0.011 U	< 0.011 U	--	--	--	--	--	--	< 0.012 U	--

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SS-44	SS-45	SS-46	SS-47	SS-48	SS-49	SS-50	SS-51	SS-52	SS-53	SS-54
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	12/20/2002	12/20/2002	12/20/2002	12/20/2002	12/20/2002	12/20/2002	12/20/2002	12/20/2002	12/20/2002	12/19/2002	12/19/2002
			Sample Depth (ft bgs)	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	< 0.029 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.029 U	< 0.03 U	< 0.032 U	< 0.029 U	< 0.03 U	< 0.027 U	< 0.028 U
2-Methyl-1-propanol	mg/kg	1000	1000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	200	200	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	400	400	< 0.057 U	**0.12**	< 0.056 U	**0.12**	**0.055**	< 0.06 U	< 0.063 U	**0.061**	**0.14**	**0.08**	**< 0.057 U**
Acetonitrile	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/kg	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	0.5	0.5	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0058 U	< 0.006 U	< 0.0063 U	< 0.0057 U	< 0.006 U	< 0.0055 U	< 0.0057 U
Carbon Disulfide	mg/kg	400	400	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0058 U	< 0.006 U	< 0.0063 U	< 0.0057 U	< 0.006 U	< 0.0055 U	< 0.0057 U
Chlorobenzene	mg/kg	10	10	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	mg/kg	300	300	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	70	70	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0058 U	< 0.006 U	< 0.0063 U	< 0.0057 U	< 0.006 U	< 0.0055 U	< 0.0057 U
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	< 0.0057 U	**0.022**	< 0.0056 U	< 0.0057 U	< 0.0058 U	< 0.006 U	< 0.0063 U	< 0.0057 U	**0.017**	< 0.0055 U	< 0.0057 U
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	< 0.0057 U	**0.0084**	< 0.0056 U	< 0.0057 U	< 0.0058 U	< 0.006 U	< 0.0063 U	< 0.0057 U	**0.0099**	< 0.0055 U	< 0.0057 U
Styrene (Monomer)	mg/kg	14	14	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	100	100	< 0.0057 U	< 0.0056 U	< 0.0056 U	< 0.0057 U	< 0.0058 U	< 0.006 U	< 0.0063 U	< 0.0057 U	< 0.006 U	< 0.0055 U	< 0.0057 U
Total Xylenes	mg/kg	1000	1000	< 0.011 U	**0.03**	< 0.011 U	< 0.011 U	< 0.012 U	< 0.012 U	< 0.013 U	< 0.011 U	**0.027**	< 0.011 U	< 0.011 U
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	--	--	--	--	--	--	--	--	--	--	--

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SS-55	SS-56	SS-57	SS-58	SS-59	SS-60	SS-61	SS-62	SS-63	SS-74	SS-74
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	12/20/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/20/2002	12/19/2002	12/19/2002	8/15/2006	8/15/2006
			Sample Depth (ft bgs)	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	0 - 2	2 - 4
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	**0.051**	< 0.027 U	< 0.029 U	< 0.029 U	< 0.034 U	< 0.032 U	< 0.028 U	< 0.029 U	< 0.029 U	--	--
2-Methyl-1-propanol	mg/kg	1000	1000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	200	200	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	400	400	**1**	< 0.055 U	< 0.059 U	**0.45**	**0.11**	**0.086**	**0.067**	< 0.059 U	**0.074**	--	--
Acetonitrile	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/kg	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	0.5	0.5	< 0.0057 U	< 0.0055 U	< 0.0059 U	< 0.0058 U	< 0.0068 U	< 0.0064 U	< 0.0057 U	< 0.0059 U	< 0.0057 U	--	--
Carbon Disulfide	mg/kg	400	400	< 0.0057 U	< 0.0055 U	< 0.0059 U	< 0.0058 U	< 0.0068 U	< 0.0064 U	< 0.0057 U	< 0.0059 U	< 0.0057 U	--	--
Chlorobenzene	mg/kg	10	10	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	mg/kg	300	300	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	70	70	< 0.0057 U	< 0.0055 U	< 0.0059 U	< 0.0058 U	< 0.0068 U	< 0.0064 U	< 0.0057 U	< 0.0059 U	< 0.0057 U	--	--
Formaldehyde	mg/kg	100	100	--	--	--	--	--	--	--	--	--	**0.2**	**< 0.11 U**
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	< 0.0057 U	< 0.0055 U	< 0.0059 U	< 0.0058 U	< 0.0068 U	< 0.0064 U	< 0.0057 U	< 0.0059 U	< 0.0057 U	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	< 0.0057 U	< 0.0055 U	< 0.0059 U	< 0.0058 U	< 0.0068 U	< 0.0064 U	< 0.0057 U	< 0.0059 U	< 0.0057 U	--	--
Styrene (Monomer)	mg/kg	14	14	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	100	100	< 0.0057 U	< 0.0055 U	< 0.0059 U	< 0.0058 U	< 0.0068 U	< 0.0064 U	< 0.0057 U	< 0.0059 U	< 0.0057 U	--	--
Total Xylenes	mg/kg	1000	1000	< 0.011 U	< 0.011 U	< 0.012 U	< 0.012 U	< 0.014 U	< 0.013 U	< 0.011 U	< 0.012 U	< 0.011 U	--	--
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	--	--	--	--	--	--	--	--	--	--	--

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SS-75	SS-75	SS-76	SS-76	SS-77	SS-77	SS-77	SS-77	SS-78	SS-78	SS-79
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006	8/15/2006
			Sample Depth (ft bgs)	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2
			Sample Type	N	N	N	N	FD	FD	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-1-propanol	mg/kg	1000	1000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	200	200	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/kg	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
Carbon Disulfide	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	10	10	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	mg/kg	300	300	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	70	70	--	--	--	--	--	--	--	--	--	--	--
Formaldehyde	mg/kg	100	100	**0.32**	**0.48**	**0.34**	**0.26**	**0.56**	**0.94**	**0.34**	**0.44**	**1.6**	**1.2**	**1.9**
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
Total Xylenes	mg/kg	1000	1000	--	--	--	--	--	--	--	--	--	--	--
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	--	--	--	--	--	--	--	--	--	--	--

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SS-79	SS-80	SS-82	SS-83	SS-84	SS-85	SS-86	SS-87	SS-88	SS-89	SS-90
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
			Date	8/15/2006	11/19/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/19/2008	11/19/2008	11/6/2008	11/10/2008	11/6/2008
			Sample Depth (ft bgs)	2 - 4	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**											
VOCs														
1,2-Dichloropropane	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	--	< 0.029 U	--	--	--	--	**0.0061 J**	< 0.036 U	--	--	--
2-Methyl-1-propanol	mg/kg	1000	1000	--	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	200	200	--	--	--	--	--	--	--	--	--	--	--
Acetone	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--
Acetonitrile	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Acrolein	mg/kg	0.1	0.1	--	--	--	--	--	--	--	--	--	--	--
Benzene	mg/kg	0.5	0.5	--	< 0.0057 U	--	--	--	--	--	--	--	--	--
Carbon Disulfide	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	10	10	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methacrylate	mg/kg	300	300	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	70	70	--	< 0.0057 U	--	--	--	--	--	--	--	--	--
Formaldehyde	mg/kg	100	100	**0.69**	**1.2**	**54**	**0.32**	**0.25**	**0.29**	**1**	**1.3**	**1.1**	**0.15**	**0.1 J**
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	0.5	0.5	--	--	--	--	--	--	--	--	--	--	--
Toluene	mg/kg	100	100	--	< 0.0057 U	--	--	--	--	--	--	--	--	--
Total Xylenes	mg/kg	1000	1000	--	< 0.011 U	--	--	--	--	--	--	--	--	--
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	--	--	--	--	--	--	--	--	--	--	--

Table 7a
Historical and Recent Soil Analytical Data, VOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SS-93	SS-94	SS-94	SS-95	SS-96	SS-97	SS-97
			Sample Matrix	SO	SO	SO	SO	SO	SO	SO
			Date	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/6/2008	11/10/2008	11/10/2008
			Sample Depth (ft bgs)	0 - 4	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
			Sample Type	N	FD	N	N	N	FD	N
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**							
VOCs										
1,2-Dichloropropane	mg/kg	0.5	0.5	--	--	--	--	--	--	--
1,4-Dioxane	mg/kg	7	7	--	--	--	--	--	--	--
2-Butanone (MEK)	mg/kg	200	200	--	--	--	< 0.022 U	< 0.023 U	--	--
2-Methyl-1-propanol	mg/kg	1000	1000	--	--	--	--	--	--	--
4-Methyl-2-Pentanone	mg/kg	200	200	--	--	--	--	--	--	--
Acetone	mg/kg	400	400	--	--	--	--	--	--	--
Acetonitrile	mg/kg	20	20	--	--	--	--	--	--	--
Acrolein	mg/kg	0.1	0.1	< 0.092 U	< 0.078 U	< 0.095 U	--	--	--	--
Benzene	mg/kg	0.5	0.5	--	--	--	< 0.0043 U	< 0.0046 U	< 0.0046 U	< 0.0047 U
Carbon Disulfide	mg/kg	400	400	--	--	--	--	--	--	--
Chlorobenzene	mg/kg	10	10	--	--	--	--	--	--	--
Ethyl Methacrylate	mg/kg	300	300	--	--	--	--	--	--	--
Ethylbenzene	mg/kg	70	70	--	--	--	< 0.0043 U	< 0.0046 U	< 0.0046 U	< 0.0047 U
Formaldehyde	mg/kg	100	100	--	--	--	**0.18**	**0.13**	--	--
m,p-Xylene	mg/kg	20	20	--	--	--	--	--	--	--
m-Xylene	mg/kg	20	20	--	--	--	--	--	--	--
Naphthalene	mg/kg	100	100	--	--	--	--	--	--	--
o-Xylene	mg/kg	20	20	--	--	--	--	--	--	--
Styrene (Monomer)	mg/kg	14	14	--	--	--	--	--	--	--
Tetrachloroethene	mg/kg	0.5	0.5	--	--	--	--	--	--	--
Toluene	mg/kg	100	100	--	--	--	0.0028 J	0.00075 J	< 0.0046 U	< 0.0047 U
Total Xylenes	mg/kg	1000	1000	--	--	--	0.0033 J	< 0.0091 U	< 0.0093 U	< 0.0095 U
trans-1,4-Dichlorobutene	mg/kg	0.11	0.14	--	--	--	--	--	--	--

Notes:
Bolded values indicated detections
Highlighted values indicated concentrations above Type 1 RRS
J = Estimated value
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
D = Compounds identified in an analysis at a secondary dilution filter
-- Not Analyzed
FD = Field Duplicate
ft bgs = feet below ground surface
N = Normal Sample
RRS = Risk Reduction Standard
SO = Soil
mg/kg = milligrams per kilogram
VOC = Volatile organic compounds
* LCS or LCSD exceeds the control limits
SS-33 is located offsite of the VRP area and is not included in risk assessment.
Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	DS-1	DS-1	DS-10	DS-10	DS-11	DS-11	DS-12	DS-12	DS-13	DS-13	DS-14	DS-14	DS-15	DS-15	DS-16	DS-16	DS-17	DS-17	DS-18	DS-18	DS-18	DS-2
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	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	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/7/2008
				Sample Depth (ft bgs)	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	0 - 2
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Constituent	CAS	Units	Type 1/2 RRS	Type 3/4 RRS																						
SVOCs																										
1,1-Biphenyl	92-52-4	mg/kg	1	1	< 0.35 U	< 0.35 U	**0.055 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
1,2,4-Trichlorobenzene	120-82-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
1,2-Dichlorobenzene	95-50-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
1,3,5-Trinitrobenzene	99-35-4	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
1,3-Dichlorobenzene	541-73-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
1,3-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
1,4-Dichlorobenzene	106-46-7	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
1,4-Dioxane	123-91-1	mg/kg	7	7	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 U*D	< 3.8 U*D	< 3.9 U*D	< 4.1 U*D	< 3.9 U*D	< 2 U*D	< 3.7 U*D	< 4 U*D	< 2 U*D	< 3.9 U*D	< 1.9 U*D	< 2 U*D	< 2 U*D	< 0.36 U
1,4-Naphthoquinone	130-15-4	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
1-Naphthylamine	134-32-7	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2,2-Oxybis(1-Chloropropane)	108-60-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2,4,5-Trichlorophenol	95-95-4	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2,4,6-Trichlorophenol	88-06-2	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2,4-Dichlorophenol	120-83-2	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2,4-Dimethylphenol	105-67-9	mg/kg	70	70	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2,4-Dinitrophenol	51-28-5	mg/kg	--	--	< 1.8 U	< 1.8 U	< 1.8 U	< 2 U	< 2 U	< 2 U	< 2.1 U	< 2 U	< 19 UD	< 20 UD	< 20 UD	< 21 UD	< 20 UD	< 10 UD	< 19 UD	< 20 UD	< 10 UD	< 20 UD	< 10 UD	< 10 UD	< 10 UD	< 1.9 U
2,4-Dinitrotoluene	121-14-2	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2,6-Dichlorophenol	87-65-0	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2,6-Dinitrotoluene	606-20-2	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2-Acetylaminofluorene	53-96-3	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2-Chloronaphthalene	91-58-7	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2-Chlorophenol	95-57-8	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2-Methyl-4,6-dinitrophenol	534-52-1	mg/kg	--	--	< 1.8 U	< 1.8 U	< 1.8 U	< 2 U	< 2 U	< 2 U	< 2.1 U	< 2 U	< 19 UD	< 20 UD	< 20 UD	< 21 UD	< 20 UD	< 10 UD	< 19 UD	< 20 UD	< 10 UD	< 20 UD	< 10 UD	< 10 UD	< 10 UD	< 1.9 U
2-Methylnaphthalene	91-57-6	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2-Methylphenol	95-48-7	mg/kg	3.8	4.1	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2-Naphthylamine	91-59-8	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2-Nitroaniline	88-74-4	mg/kg	--	--	< 1.8 U	< 1.8 U	< 1.8 U	< 2 U	< 2 U	< 2 U	< 2.1 U	< 2 U	< 19 UD	< 20 UD	< 20 UD	< 21 UD	< 20 UD	< 10 UD	< 19 UD	< 20 UD	< 10 UD	< 20 UD	< 10 UD	< 10 UD	< 10 UD	< 1.9 U
2-Nitrophenol	88-75-5	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
2-Picoline	109-06-8	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
3,3-Dichlorobenzidine	91-94-1	mg/kg	--	--	< 0.69 U	< 0.7 U	< 0.7 U	< 0.76 U	< 0.78 U	< 0.78 U	< 0.81 U	< 0.77 U	< 7.4 UD	< 7.6 UD	< 7.8 UD	< 8.1 UD	< 7.8 UD	< 3.9 UD	< 7.3 UD	< 7.9 UD	< 4 UD	< 7.7 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 0.73 U
3,3-Dimethylbenzidine	119-93-7	mg/kg	--	--	< 1.8 U	< 1.8 U*	< 1.8 U	< 2 U	< 2 U	< 2 U	< 2.1 U*	< 2 U*	< 19 UD	< 20 UD	< 20 UD	< 21 UD	< 20 UD	< 10 UD	< 19 UD	< 20 UD	< 10 UD	< 20 UD	< 10 UD	< 10 UD	< 10 UD	< 1.9 U
3-Methylchloranthrene	56-49-5	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
3-Methylphenol, 4-Methylphenol	65794-96-	mg/kg	3.8	4.1	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
3-Nitroaniline	99-09-2	mg/kg	--	--	< 1.8 U	< 1.8 U	< 1.8 U	< 2 U	< 2 U	< 2 U	< 2.1 U	< 2 U	< 19 UD	< 20 UD	< 20 UD	< 21 UD	< 20 UD	< 10 UD	< 19 UD	< 20 UD	< 10 UD	< 20 UD	< 10 UD	< 10 UD	< 10 UD	< 1.9 U
4-Aminobiphenyl	92-67-1	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
4-Bromophenyl phenyl ether	101-55-3	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
4-Chloro-3-Methylphenol	59-50-7	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
4-Dimethylaminoazobenzene	60-11-7	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
4-Methylphenol	106-44-5	mg/kg	3.8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	100-01-6	mg/kg	--	--	< 1.8 U	< 1.8 U	< 1.8 U	< 2 U	< 2 U	< 2 U	< 2.1 U	< 2 U	< 19 UD	< 20 UD	< 20 UD	< 21 UD	< 20 UD	< 10 UD	< 19 UD	< 20 UD	< 10 UD	< 20 UD	< 10 UD	< 10 UD	< 10 UD	< 1.9 U
4-Nitrophenol	100-02-7	mg/kg	--	--	< 1.8 U	< 1.8 U	< 1.8 U	< 2 U	< 2 U	< 2 U	< 2.1 U	< 2 U	< 19 UD	< 20 UD	< 20 UD	< 21 UD	< 20 UD	< 10 UD	< 19 UD	< 20 UD	< 10 UD	< 20 UD	< 10 UD	< 10 UD	< 10 UD	< 1.9 U
4-Nitroquinoline-N-Oxide	56-57-5	mg/kg	--	--	< 3.5 U	< 3.5 U*	< 3.5 U	< 3.8 U	< 3.9 U	< 3.9 U	< 4 U*	< 3.9 U*	< 37 UD	< 38 UD	< 39 UD	< 41 UD	< 39 UD	< 20 UD	< 37 UD	< 40 UD	< 20 UD	< 39 UD	< 19 UD	< 20 UD	< 20 UD	< 3.6 U
5-Nitro-o-Toluidine	99-55-8	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Acenaphthene	83-32-9	mg/kg	300	300	< 0.35 U	**0.073 J**	**0.054 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Acenaphthylene	208-96-8	mg/kg	130	130	**0.18 J**	**0.033 J**	**0.059 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Acetophenone	98-86-2	mg/kg	400	400	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
alpha,alpha-Dimethylphenethylamine	537-46-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	62-53-3	mg/kg	2	2	< 0.69 U	< 0.7 U	< 0.7 U	< 0.76 U	< 0.78 U	< 0.78 U	< 0.81 U	< 0.77 U	< 7.4 UD	< 7.6 UD	< 7.8 UD	< 8.1 UD	< 7.8 UD	< 3.9 UD	< 7.3 UD	< 7.9 UD	< 4 UD	< 7.7 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 0.73 U
Anthracene	120-12-7	mg/kg	500	1009	**0.11 J**	**0.037 J**	**0.11 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Aramite	140-57-8	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Benzo(a)anthracene	56-55-3	mg/kg	5	5	**0.11 J**	**0.078 J**	**0.4**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	**0.34 JD**	< 2 UD	< 2 UD	< 0.36 U
Benzo(a)pyrene	50-32-8	mg/kg	1.64	1.64	**0.16 J**	**0.1 J**	**0.36**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Benzo(b)fluoranthene	205-99-2	mg/kg	5	5	**0.42**	**0.19 J**	**0.64**	< 0.38 U	< 0.39 U	< 0.39 U	**0.047 J**	< 0.39 U	**0.26 JD**	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	**0.13 JD**	< 3.9 UD	**0.54 JD**	< 2 UD	**0.13 JD**	< 0.36 U
Benzo(g,h,i)perylene	191-24-2	mg/kg	500	500	**0.19 J**	**0.11 J**	**0.25 J**	< 0.38 U	< 0.39 U	< 0.39 U	**0.032 J**	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	**0.58 JD**	**0.31 JD**	< 2 UD	< 2 UD	< 0.36 U
Benzo(k)fluoranthene	207-08-9	mg/kg	13.7	46	< 0.35 U	< 0.35 U	**0.29 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Benzyl Alcohol	100-51-6	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	**4.5 D**	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
beta-Pinene	18172-67-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
bis(2-Chloroethyl)ether	111-44-4	mg/kg	0.6	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
bis(2-Chloroisopropyl)ether	39638-32-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	50	50	< 0.35 U	< 0.35 U	**0.13 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	**0.12 J**
Butyl benzyl phthalate	85-68-7	mg/kg	50	218.54	< 0.35 U	< 0.35 U	**0.072 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Chrysene	218-01-9	mg/kg	43	141	**0.2 J**	**0.12 J**	**0.63**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	**0.1 JD**	< 3.9 UD	**0.33 JD**	< 2 UD	< 2 UD	< 0.36 U
Diallate	2303-16-4	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Dibenzo(a,h)anthracene	53-70-3	mg/kg	2	5	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	**0.56 JD**	**0.23 JD**	< 2 UD	< 2 UD	< 0.36 U
Dibenzofuran	132-64-9	mg/kg	1.0	1.9	< 0.35 U	< 0.35 U	**0.024 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Diethyl phthalate	84-66-2	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Dimethoate	60-51-5	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Dimethyl phthalate	131-11-3	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Dimethylphenethylamine	122-09-8	mg/kg	--	--	< 70 U	< 71 U*	< 72 U	< 77 U	< 79 U	< 79 U	< 82 U*	< 79 U*	< 750 UD	< 770 UD	< 790 UD	< 830 UD	< 790 UD	< 400 UD	< 740 UD	< 800 UD	< 410 UD	< 780 UD	< 390 UD	< 400 UD	< 400 UD	< 74 U
Di-n-butyl phthalate	84-74-2	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Di-n-octyl phthalate	117-84-0	mg/kg	70	70	< 0.35 U	< 0.35 U	**0.062 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Dinoseb	88-85-7	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Diphenyl ether	101-84-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	DS-1	DS-1	DS-10	DS-10	DS-11	DS-11	DS-12	DS-12	DS-13	DS-13	DS-14	DS-14	DS-15	DS-15	DS-16	DS-16	DS-17	DS-17	DS-18	DS-18	DS-18	DS-2
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	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	11/10/2008	11/10/2008	11/10/2008	11/10/2008	11/7/2008
				Sample Depth (ft bgs)	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	0 - 2
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**																						
Disulfoton	298-04-4	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Ethyl Methanesulfonate	62-50-0	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Famphur	52-85-7	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Fluoranthene	206-44-0	mg/kg	500	500	**0.27 J**	**0.21 J**	**1.5**	< 0.38 U	**0.046 J**	< 0.39 U	**0.18 J**	< 0.39 U	**0.24 JD**	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	**0.26 JD**	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	**0.042 J**
Fluorene	86-73-7	mg/kg	360	360	< 0.35 U	**0.04 J**	**0.043 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Hexachloro-1,3-butadiene	87-68-3	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Hexachlorobenzene	118-74-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Hexachlorocyclopentadiene	77-47-4	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Hexachloroethane	67-72-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Hexachlorophene	70-30-4	mg/kg	--	--	< 180 U	< 180 U*	< 180 U	< 200 U	< 200 U	< 200 U	< 210 U*	< 200 U*	< 1900 UD	< 2000 UD	< 2000 UD	< 2100 UD	< 2000 UD	< 1000 UD	< 1900 UD	< 2000 UD	< 1000 UD	< 2000 UD	< 1000 UD	< 1000 UD	< 1000 UD	< 190 U
Hexachloropropene	1888-71-7	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	**0.15 J**	**0.085 J**	**0.15 J**	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	**0.51 JD**	**0.24 JD**	< 2 UD	< 2 UD	< 0.36 U
Isophorone	78-59-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Isosafrole	120-58-1	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Methapyrilene	91-80-5	mg/kg	--	--	< 70 U	< 71 U*	< 72 U	< 77 U	< 79 U	< 79 U	< 82 U*	< 79 U*	< 750 UD	< 770 UD	< 790 UD	< 830 UD	< 790 UD	< 400 UD	< 740 UD	< 800 UD	< 410 UD	< 780 UD	< 390 UD	< 400 UD	< 400 UD	< 74 U
Methyl Methanesulfonate	66-27-3	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Methyl Parathion	298-00-0	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Naphthalene	91-20-3	mg/kg	100	100	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Nitrobenzene	98-95-3	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
N-Nitrosodiethylamine	55-18-5	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
N-Nitrosodimethylamine	62-75-9	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
n-Nitrosodi-n-butylamine	924-16-3	mg/kg	1	1	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
N-nitrosodiphenylamine	86-30-6	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
N-Nitrosomorpholine	59-89-2	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
N-Nitroso-N-methylethylamine	10595-95-	mg/kg	0.68	1	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
N-Nitrosopiperidine	100-75-4	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
N-Nitrosopyrrolidine	930-55-2	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
o,o,o-Triethyl phosphorothioate	126-68-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
o,o,o-Trimethyl thiophosphate	152-18-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	297-97-2	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
o-Toluidine	95-53-4	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Parathion	56-38-2	mg/kg	20	20	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
p-Chloroaniline	106-47-8	mg/kg	--	--	< 0.69 U	< 0.7 U	< 0.7 U	< 0.76 U	< 0.78 U	< 0.78 U	< 0.81 U	< 0.77 U	< 7.4 UD	< 7.6 UD	< 7.8 UD	< 8.1 UD	< 7.8 UD	< 3.9 UD	< 7.3 UD	< 7.9 UD	< 4 UD	< 7.7 UD	< 3.9 UD	< 3.9 UD	< 3.9 UD	< 0.73 U
Pentachlorobenzene	608-93-5	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Pentachloronitrobenzene	82-68-8	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Pentachlorophenol	87-86-5	mg/kg	--	--	< 1.8 U	< 1.8 U	< 1.8 U	< 2 U	< 2 U	< 2 U	< 2.1 U	< 2 U	< 19 UD	< 20 UD	< 20 UD	< 21 UD	< 20 UD	< 10 UD	< 19 UD	< 20 UD	< 10 UD	< 20 UD	< 10 UD	< 10 UD	< 10 UD	< 1.9 U
Phenacetin	62-44-2	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Phenanthrene	85-01-8	mg/kg	110	110	**0.031 J**	**0.17 J**	**0.39**	< 0.38 U	< 0.39 U	< 0.39 U	**0.035 J**	< 0.39 U	< 3.7 UD	< 3.8 UD	**0.41 JD**	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	**0.18 JD**	< 3.9 UD	**0.43 JD**	< 2 UD	< 2 UD	< 0.36 U
Phenol	108-95-2	mg/kg	50	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Phorate	298-02-2	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Pinene	80-56-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine	106-50-3	mg/kg	--	--	< 1.8 U	< 1.8 U*	< 1.8 U	< 2 U	< 2 U	< 2 U	< 2.1 U*	< 2 U*	< 19 UD	< 20 UD	< 20 UD	< 21 UD	< 20 UD	< 10 UD	< 19 UD	< 20 UD	< 10 UD	< 20 UD	< 10 UD	< 10 UD	< 10 UD	< 1.9 U
Propyzamide	23950-58-	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Pyrene	129-00-0	mg/kg	500	500	**0.2 J**	**0.2 J**	**0.8**	< 0.38 U	< 0.39 U	< 0.39 U	**0.025 J**	< 0.39 U	< 3.7 UD	< 3.8 UD	**0.39 JD**	< 4.1 UD	**0.21 JD**	< 2 UD	< 3.7 UD	< 4 UD	**0.14 JD**	< 3.9 UD	**0.48 JD**	< 2 UD	< 2 UD	**0.019 J**
Pyridine	110-86-1	mg/kg	--	--	< 0.35 U	< 0.35 U	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U	< 0.39 U	< 3.7 U*D	< 3.8 U*D	< 3.9 U*D	< 4.1 U*D	< 3.9 U*D	< 2 U*D	< 3.7 U*D	< 4 U*D	< 2 U*D	< 3.9 U*D	< 1.9 U*D	< 2 U*D	< 2 U*D	< 0.36 U
Safrole	94-59-7	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U
Sulfotep	3689-24-5	mg/kg	--	--	< 0.35 U	< 0.35 U*	< 0.35 U	< 0.38 U	< 0.39 U	< 0.39 U	< 0.4 U*	< 0.39 U*	< 3.7 UD	< 3.8 UD	< 3.9 UD	< 4.1 UD	< 3.9 UD	< 2 UD	< 3.7 UD	< 4 UD	< 2 UD	< 3.9 UD	< 1.9 UD	< 2 UD	< 2 UD	< 0.36 U

Notes:

Bolded values indicated detections
Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]
Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]
SS-33 is located offsite of the VRP area and is not included in risk assessment.
Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)
D = Compounds identified in an analysis at a secondary dilution filter
J = Estimated value
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
* LCS or LCSD exceeds the control limits
-- Not Analyzed
FD = Field Duplicate
ft bgs = feet below ground surface
N = Normal Sample
RRS = Risk Reduction Standard
SO = Soil
SVOC = Semivolatile organic compound
mg/kg = milligrams per kilogram

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	DS-2	DS-3	DS-3	DS-4	DS-4	DS-5	DS-5	DS-6	DS-6	DS-7	DS-7	DS-8	DS-9	DS-9	EX-19	EX-21	EX-22	EX-23	EX-26	EX-27	EX-27	GP-10
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/26/2007
				Sample Depth (ft bgs)	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	0 - 2	2 - 4	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Constituent	CAS	Units	Type 1/2 RRS	Type 3/4 RRS																						
SVOCs																										
1,1-Biphenyl	92-52-4	mg/kg	1	1	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	**0.021 J**	< 1.9 UD	**0.64 JD**	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	**9 D**	**700**	**6.4**	**1.1**	< 0.37 U	**44**	< 1.9 U	< 2 U	< 2 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
1,2,4-Trichlorobenzene	120-82-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
1,2-Dichlorobenzene	95-50-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
1,3,5-Trinitrobenzene	99-35-4	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
1,3-Dichlorobenzene	541-73-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
1,3-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
1,4-Dichlorobenzene	106-46-7	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
1,4-Dioxane	123-91-1	mg/kg	7	7	< 0.38 U	< 3.9 UD	< 3.8 U*D	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 U*D	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 U*D	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
1,4-Naphthoquinone	130-15-4	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
1-Naphthylamine	134-32-7	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2,2-Oxybis(1-Chloropropane)	108-60-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2,4,5-Trichlorophenol	95-95-4	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2,4,6-Trichlorophenol	88-06-2	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2,4-Dichlorophenol	120-83-2	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2,4-Dimethylphenol	105-67-9	mg/kg	70	70	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2,4-Dinitrophenol	51-28-5	mg/kg	--	--	< 2 U	< 20 UD	< 20 UD	< 1.9 U	< 1.8 U	< 1.9 U	< 9.6 UD	< 20 UD	< 21 UD	< 1.9 U	< 1.9 U	< 19 UD	< 2.3 U	< 4.1 UD	< 1100 U	< 20 U	< 3.8 U	< 1.9 U	< 82 U	< 9.9 U	< 10 U	< 10 U
2,4-Dinitrotoluene	121-14-2	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2,6-Dichlorophenol	87-65-0	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2,6-Dinitrotoluene	606-20-2	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2-Acetylaminofluorene	53-96-3	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2-Chloronaphthalene	91-58-7	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2-Chlorophenol	95-57-8	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2-Methyl-4,6-dinitrophenol	534-52-1	mg/kg	--	--	< 2 U	< 20 UD	< 20 UD	< 1.9 U	< 1.8 U	< 1.9 U	< 9.6 UD	< 20 UD	< 21 UD	< 1.9 U	< 1.9 U	< 19 UD	< 2.3 U	< 4.1 UD	< 1100 U	< 20 U	< 3.8 U	< 1.9 U	< 82 U	< 9.9 U	< 10 U	< 10 U
2-Methylnaphthalene	91-57-6	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2-Methylphenol	95-48-7	mg/kg	3.8	4.1	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2-Naphthylamine	91-59-8	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2-Nitroaniline	88-74-4	mg/kg	--	--	< 2 U	< 20 UD	< 20 UD	< 1.9 U	< 1.8 U	< 1.9 U	< 9.6 UD	< 20 UD	< 21 UD	< 1.9 U	< 1.9 U	< 19 UD	< 2.3 U	< 4.1 UD	< 1100 U	< 20 U	< 3.8 U	< 1.9 U	< 82 U	< 9.9 U	< 10 U	< 10 U
2-Nitrophenol	88-75-5	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
2-Picoline	109-06-8	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
3,3-Dichlorobenzidine	91-94-1	mg/kg	--	--	< 0.76 U	< 7.7 UD	< 7.7 UD	< 0.72 U	< 0.72 U	< 0.74 U	< 3.7 UD	< 7.8 UD	< 8.1 UD	< 0.73 U	< 0.75 U	< 7.4 UD	< 0.9 U	< 1.6 UD	< 420 U	< 7.6 U	< 1.5 U	< 0.73 U	< 32 U	< 3.8 U	< 4 U	< 4 U
3,3-Dimethylbenzidine	119-93-7	mg/kg	--	--	< 2 U*	< 20 UD	< 20 UD	< 1.9 U	< 1.8 U	< 1.9 U	< 9.6 UD	< 20 UD	< 21 UD	< 1.9 U	< 1.9 U	< 19 UD	< 2.3 U	< 4.1 UD	< 1100 U	< 20 U	< 3.8 U	< 1.9 U	< 82 U	< 9.9 U	< 10 U	< 10 U
3-Methylchloranthrene	56-49-5	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
3-Methylphenol, 4-Methylphenol	65794-96-	mg/kg	3.8	4.1	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
3-Nitroaniline	99-09-2	mg/kg	--	--	< 2 U	< 20 UD	< 20 UD	< 1.9 U	< 1.8 U	< 1.9 U	< 9.6 UD	< 20 UD	< 21 UD	< 1.9 U	< 1.9 U	< 19 UD	< 2.3 U	< 4.1 UD	< 1100 U	< 20 U	< 3.8 U	< 1.9 U	< 82 U	< 9.9 U	< 10 U	< 10 U
4-Aminobiphenyl	92-67-1	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
4-Bromophenyl phenyl ether	101-55-3	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
4-Chloro-3-Methylphenol	59-50-7	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
4-Dimethylaminoazobenzene	60-11-7	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
4-Methylphenol	106-44-5	mg/kg	3.8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	100-01-6	mg/kg	--	--	< 2 U	< 20 UD	< 20 UD	< 1.9 U	< 1.8 U	< 1.9 U	< 9.6 UD	< 20 UD	< 21 UD	< 1.9 U	< 1.9 U	< 19 UD	< 2.3 U	< 4.1 UD	< 1100 U	< 20 U	< 3.8 U	< 1.9 U	< 82 U	< 9.9 U	< 10 U	< 10 U
4-Nitrophenol	100-02-7	mg/kg	--	--	< 2 U	< 20 UD	< 20 UD	< 1.9 U	< 1.8 U	< 1.9 U	< 9.6 UD	< 20 UD	< 21 UD	< 1.9 U	< 1.9 U	< 19 UD	< 2.3 U	< 4.1 UD	< 1100 U	< 20 U	< 3.8 U	< 1.9 U	< 82 U	< 9.9 U	< 10 U	< 10 U
4-Nitroquinoline-N-Oxide	56-57-5	mg/kg	--	--	< 3.8 U*	< 39 UD	< 38 UD	< 3.6 U	< 3.6 U	< 3.7 U	< 19 UD	< 39 UD	< 41 UD	< 3.7 U	< 3.8 U	< 37 UD	< 4.5 U	< 7.9 UD	< 2100 U	< 38 U	< 7.4 U	< 3.7 U	< 160 U	< 19 U	< 20 U	< 20 U
5-Nitro-o-Toluidine	99-55-8	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Acenaphthene	83-32-9	mg/kg	300	300	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.019 J**	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Acenaphthylene	208-96-8	mg/kg	130	130	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.019 J**	**0.093 J**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.11 J**	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Acetophenone	98-86-2	mg/kg	400	400	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
alpha,alpha-Dimethylphenethylamine	537-46-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	62-53-3	mg/kg	2	2	< 0.76 U	< 7.7 UD	< 7.7 UD	< 0.72 U	< 0.72 U	< 0.74 U	< 3.7 UD	< 7.8 UD	< 8.1 UD	< 0.73 U	< 0.75 U	< 7.4 UD	< 0.9 U	< 1.6 UD	< 420 U	< 7.6 U	< 1.5 U	< 0.73 U	< 32 U	< 3.8 U	< 4 U	< 4 U
Anthracene	120-12-7	mg/kg	500	1009	< 0.38 U	**0.21 JD**	< 3.8 UD	**0.038 J**	**0.11 J**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.1 J**	< 0.38 U	< 3.7 UD	< 0.45 U	**0.079 JD**	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Aramite	140-57-8	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Benzo(a)anthracene	56-55-3	mg/kg	5	5	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.07 J**	**0.28 J**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.37**	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Benzo(a)pyrene	50-32-8	mg/kg	1.64	1.64	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.063 J**	**0.27 J**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.4**	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Benzo(b)fluoranthene	205-99-2	mg/kg	5	5	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.17 J**	**0.71**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.77**	< 0.38 U	**0.39 JD**	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Benzo(g,h,i)perylene	191-24-2	mg/kg	500	500	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.058 J**	**0.22 J**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.3 J**	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Benzo(k)fluoranthene	207-08-9	mg/kg	13.7	46	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.45**	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Benzyl Alcohol	100-51-6	mg/kg	--	--	< 0.38 U	**1.9 JD**	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	**2.3 JD**	**1.8 JD**	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
beta-Pinene	18172-67-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
bis(2-Chloroethyl)ether	111-44-4	mg/kg	0.6	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
bis(2-Chloroisopropyl)ether	39638-32-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	50	50	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.2 J**	**0.06 J**	**0.12 J**	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.09 J**	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Butyl benzyl phthalate	85-68-7	mg/kg	50	218.54	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.047 J**	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Chrysene	218-01-9	mg/kg	43	141	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.11 J**	**0.52**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.65**	< 0.38 U	**0.3 JD**	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Diallate	2303-16-4	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Dibenzo(a,h)anthracene	53-70-3	mg/kg	2	5	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Dibenzofuran	132-64-9	mg/kg	1.0	1.9	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	**0.019 J**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Diethyl phthalate	84-66-2	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Dimethoate	60-51-5	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Dimethyl phthalate	131-11-3	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Dimethylphenethylamine	122-09-8	mg/kg	--	--	< 77 U*	< 780 UD	< 780 UD	< 73 U	< 73 U	< 75 U	< 380 UD	< 790 UD	< 830 UD	< 74 U	< 76 U	< 750 UD	< 91 U	< 160 UD	< 43000 U	< 770 U	< 150 U	< 74 U	< 3200 U	< 390 U	< 400 U	< 410 U
Di-n-butyl phthalate	84-74-2	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Di-n-octyl phthalate	117-84-0	mg/kg	70	70	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Dinoseb	88-85-7	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Diphenyl ether	101-84-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**2900**	**44**	**8.5**	< 0.37 U	**180**	**2.2**	**9.5**	< 2 U

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	DS-2	DS-3	DS-3	DS-4	DS-4	DS-5	DS-5	DS-6	DS-6	DS-7	DS-7	DS-8	DS-9	DS-9	EX-19	EX-21	EX-22	EX-23	EX-26	EX-27	EX-27	GP-10
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	11/7/2008	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/27/2007	7/26/2007
				Sample Depth (ft bgs)	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	0 - 2	2 - 4	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N
Constituent	CAS	Units	Type 1/2 RRS	Type 3/4 RRS																						
Disulfoton	298-04-4	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Ethyl Methanesulfonate	62-50-0	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Famphur	52-85-7	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Fluoranthene	206-44-0	mg/kg	500	500	< 0.38 U	**0.4 JD**	**0.64 JD**	**0.26 J**	**1.2**	**0.062 J**	< 1.9 UD	**0.32 JD**	< 4.1 UD	**1.3**	**0.055 J**	**0.6 JD**	< 0.45 U	**0.73 JD**	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Fluorene	86-73-7	mg/kg	360	360	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	**0.045 J**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Hexachloro-1,3-butadiene	87-68-3	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Hexachlorobenzene	118-74-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Hexachlorocyclopentadiene	77-47-4	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Hexachloroethane	67-72-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Hexachlorophene	70-30-4	mg/kg	--	--	< 200 U*	< 2000 UD	< 2000 UD	< 190 U	< 180 U	< 190 U	< 960 UD	< 2000 UD	< 2100 UD	< 190 U	< 190 U	< 1900 UD	< 230 U	< 410 UD	< 110000 U	< 2000 U	< 380 U	< 190 U	< 8200 U	< 990 U	< 1000 U	< 1000 U
Hexachloropropene	1888-71-7	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.045 J**	**0.18 J**	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.24 J**	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Isophorone	78-59-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Isosafrole	120-58-1	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Methapyrilene	91-80-5	mg/kg	--	--	< 77 U*	< 780 UD	< 780 UD	< 73 U	< 73 U	< 75 U	< 380 UD	< 790 UD	< 830 UD	< 74 U	< 76 U	< 750 UD	< 91 U	< 160 UD	< 43000 U	< 770 U	< 150 U	< 74 U	< 3200 U	< 390 U	< 400 U	< 410 U
Methyl Methanesulfonate	66-27-3	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Methyl Parathion	298-00-0	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Naphthalene	91-20-3	mg/kg	100	100	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Nitrobenzene	98-95-3	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
N-Nitrosodiethylamine	55-18-5	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
N-Nitrosodimethylamine	62-75-9	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
n-Nitrosodi-n-butylamine	924-16-3	mg/kg	1	1	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
N-nitrosodiphenylamine	86-30-6	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
N-Nitrosomorpholine	59-89-2	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
N-Nitroso-N-methylethylamine	10595-95-	mg/kg	0.68	1	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
N-Nitrosopiperidine	100-75-4	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
N-Nitrosopyrrolidine	930-55-2	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
o,o,o-Triethyl phosphorothioate	126-68-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
o,o,o-Trimethyl thiophosphate	152-18-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	297-97-2	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
o-Toluidine	95-53-4	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Parathion	56-38-2	mg/kg	20	20	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
p-Chloroaniline	106-47-8	mg/kg	--	--	< 0.76 U	< 7.7 UD	< 7.7 UD	< 0.72 U	< 0.72 U	< 0.74 U	< 3.7 UD	< 7.8 UD	< 8.1 UD	< 0.73 U	< 0.75 U	< 7.4 UD	< 0.9 U	< 1.6 UD	< 420 U	< 7.6 U	< 1.5 U	< 0.73 U	< 32 U	< 3.8 U	< 4 U	< 4 U
Pentachlorobenzene	608-93-5	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Pentachloronitrobenzene	82-68-8	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Pentachlorophenol	87-86-5	mg/kg	--	--	< 2 U	< 20 UD	< 20 UD	< 1.9 U	< 1.8 U	< 1.9 U	< 9.6 UD	< 20 UD	< 21 UD	< 1.9 U	< 1.9 U	< 19 UD	< 2.3 U	< 4.1 UD	< 1100 U	< 20 U	< 3.8 U	< 1.9 U	< 82 U	< 9.9 U	< 10 U	< 10 U
Phenacetin	62-44-2	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Phenanthrene	85-01-8	mg/kg	110	110	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.11 J**	**0.31 J**	**0.021 J**	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.14 J**	< 0.38 U	**0.28 JD**	< 0.45 U	**0.16 JD**	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Phenol	108-95-2	mg/kg	50	--	< 0.38 U	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Phorate	298-02-2	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Pinene	80-56-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine	106-50-3	mg/kg	--	--	< 2 U*	< 20 UD	< 20 UD	< 1.9 U	< 1.8 U	< 1.9 U	< 9.6 UD	< 20 UD	< 21 UD	< 1.9 U	< 1.9 U	< 19 UD	< 2.3 U	< 4.1 UD	< 1100 U	< 20 U	< 3.8 U	< 1.9 U	< 82 U	< 9.9 U	< 10 U	< 10 U
Propyzamide	23950-58-	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Pyrene	129-00-0	mg/kg	500	500	< 0.38 U	< 3.9 UD	< 3.8 UD	**0.16 J**	**1**	**0.023 J**	< 1.9 UD	< 3.9 UD	< 4.1 UD	**0.81**	**0.023 J**	**0.49 JD**	< 0.45 U	**0.081 JD**	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Pyridine	110-86-1	mg/kg	--	--	< 0.38 U	< 3.9 UD	< 3.8 U*D	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 U*D	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 U*D	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Safrole	94-59-7	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U
Sulfotep	3689-24-5	mg/kg	--	--	< 0.38 U*	< 3.9 UD	< 3.8 UD	< 0.36 U	< 0.36 U	< 0.37 U	< 1.9 UD	< 3.9 UD	< 4.1 UD	< 0.37 U	< 0.38 U	< 3.7 UD	< 0.45 U	< 0.79 UD	< 210 U	< 3.8 U	< 0.74 U	< 0.37 U	< 16 U	< 1.9 U	< 2 U	< 2 U

Notes:

Bolded values indicated detections
Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]
Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]
SS-33 is located offsite of the VRP area and is not included in risk assessment.
Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)
D = Compounds identified in an analysis at a secondary dilution filter
J = Estimated value
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
* LCS or LCSD exceeds the control limits
-- Not Analyzed
FD = Field Duplicate
ft bgs = feet below ground surface
N = Normal Sample
RRS = Risk Reduction Standard
SO = Soil
SVOC = Semivolatile organic compound
mg/kg = milligrams per kilogram

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	GP-11	GP-13	GP-14	GP-15	GP-16	GP-18	GP-2	GP-5	GP-6	GP-7	GP-8	SD-F6	SD-F7	SD-F8	SS-88	SS-89	SB-108	SB-108	SB-109	SB-109	SB-109	SB-110
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	7/26/2007	7/26/2007	7/26/2007	7/26/2007	7/27/2007	7/27/2007	7/26/2007	7/26/2007	7/26/2007	7/26/2007	7/26/2007	11/2/2000	11/2/2000	11/2/2000	11/6/2008	11/10/2008	8/19/2014	8/19/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014
				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	0-0.5	0-0.5	0-0.5	0-2	0-2	0 - 1	1 - 3	0 - 1	0 - 1	1 - 3	0 - 1
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Constituent	CAS	Units	Type 1/2 RRS	Type 3/4 RRS																						
SVOCs																										
1,1-Biphenyl	92-52-4	mg/kg	1	1	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	--	--	< 0.86 U	< 0.87 U	< 18 U	< 0.87 U	< 8.6 U	< 17 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
1,2,4-Trichlorobenzene	120-82-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
1,2-Dichlorobenzene	95-50-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
1,3,5-Trinitrobenzene	99-35-4	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
1,3-Dichlorobenzene	541-73-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
1,3-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
1,4-Dichlorobenzene	106-46-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
1,4-Dioxane	123-91-1	mg/kg	7	7	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
1,4-Naphthoquinone	130-15-4	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
1-Naphthylamine	134-32-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2,2-Oxybis(1-Chloropropane)	108-60-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2,4,5-Trichlorophenol	95-95-4	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2,4,6-Trichlorophenol	88-06-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2,4-Dichlorophenol	120-83-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2,4-Dimethylphenol	105-67-9	mg/kg	70	70	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2,4-Dinitrophenol	51-28-5	mg/kg	--	--	< 1.9 U	< 10 U	< 2 U	< 2 U	< 9.6 U	< 2 U	< 2 U	< 2 U	< 40 U	< 2 U	< 2500 U	< 21	< 2.1	< 2.3	--	--	< 2 U	< 2 U	--	< 2 U	< 20 U	< 38 U
2,4-Dinitrotoluene	121-14-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2,6-Dichlorophenol	87-65-0	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2,6-Dinitrotoluene	606-20-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2-Acetylaminofluorene	53-96-3	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2-Chloronaphthalene	91-58-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2-Chlorophenol	95-57-8	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2-Methyl-4,6-dinitrophenol	534-52-1	mg/kg	--	--	< 1.9 U	< 10 U	< 2 U	< 2 U	< 9.6 U	< 2 U	< 2 U	< 2 U	< 40 U	< 2 U	< 2500 U	< 21	< 2.1	< 2.3	--	--	< 2 U	< 2 U	--	< 2 U	< 20 U	< 38 U
2-Methylnaphthalene	91-57-6	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2-Methylphenol	95-48-7	mg/kg	3.8	4.1	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2-Naphthylamine	91-59-8	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2-Nitroaniline	88-74-4	mg/kg	--	--	< 1.9 U	< 10 U	< 2 U	< 2 U	< 9.6 U	< 2 U	< 2 U	< 2 U	< 40 U	< 2 U	< 2500 U	< 21	< 2.1	< 2.3	--	--	< 2 U	< 2 U	--	< 2 U	< 20 U	< 38 U
2-Nitrophenol	88-75-5	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
2-Picoline	109-06-8	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
3,3-Dichlorobenzidine	91-94-1	mg/kg	--	--	< 0.75 U	< 3.9 U	< 0.78 U	< 0.77 U	< 3.7 U	< 0.76 U	< 0.78 U	< 0.76 U	< 16 U	< 0.78 U	< 980 U	< 8.2	< 0.81	< 0.9	--	--	< 0.77 U	< 0.78 U	--	< 0.77 U	< 7.7 U	< 15 U
3,3-Dimethylbenzidine	119-93-7	mg/kg	--	--	< 1.9 U	< 10 U	< 2 U	< 2 U	< 9.6 U	< 2 U	< 2 U	< 2 U	< 40 U	< 2 U	< 2500 U	< 21	< 2.1	< 2.3	--	--	< 2 U	< 2 U	--	< 2 U	< 20 U	< 38 U
3-Methylchloranthrene	56-49-5	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
3-Methylphenol, 4-Methylphenol	65794-96-	mg/kg	3.8	4.1	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	mg/kg	--	--	< 1.9 U	< 10 U	< 2 U	< 2 U	< 9.6 U	< 2 U	< 2 U	< 2 U	< 40 U	< 2 U	< 2500 U	< 21	< 2.1	< 2.3	--	--	< 2 U	< 2 U	--	< 2 U	< 20 U	< 38 U
4-Aminobiphenyl	92-67-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
4-Bromophenyl phenyl ether	101-55-3	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
4-Chloro-3-Methylphenol	59-50-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
4-Dimethylaminoazobenzene	60-11-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
4-Methylphenol	106-44-5	mg/kg	3.8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
4-Nitroaniline	100-01-6	mg/kg	--	--	< 1.9 U	< 10 U	< 2 U	< 2 U	< 9.6 U	< 2 U	< 2 U	< 2 U	< 40 U	< 2 U	< 2500 U	< 21	< 2.1	< 2.3	--	--	< 2 U	< 2 U	--	< 2 U	< 20 U	< 38 U
4-Nitrophenol	100-02-7	mg/kg	--	--	< 1.9 U	< 10 U	< 2 U	< 2 U	< 9.6 U	< 2 U	< 2 U	< 2 U	< 40 U	< 2 U	< 2500 U	< 21	< 2.1	< 2.3	--	--	< 2 U	< 2 U	--	< 2 U	< 20 U	< 38 U
4-Nitroquinoline-N-Oxide	56-57-5	mg/kg	--	--	< 3.8 U	< 20 U	< 3.9 U	< 3.9 U	< 19 U	< 3.8 U	< 3.9 U	< 3.8 U	< 78 U	< 3.9 U	< 4900 U	< 41	< 4.1	< 4.5	--	--	< 3.8 U	< 3.9 U	--	< 3.9 U	< 39 U	< 74 U
5-Nitro-o-Toluidine	99-55-8	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Acenaphthene	83-32-9	mg/kg	300	300	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Acenaphthylene	208-96-8	mg/kg	130	130	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Acetophenone	98-86-2	mg/kg	400	400	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
alpha,alpha-Dimethylphenethylamine	537-46-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	< 840	< 83	< 92	--	--	--	--	--	--	--	--
Aniline	62-53-3	mg/kg	2	2	< 0.75 U	< 3.9 U	< 0.78 U	< 0.77 U	< 3.7 U	< 0.76 U	< 0.78 U	< 0.76 U	< 16 U	< 0.78 U	< 980 U	< 4.1	< 0.41	< 0.45	--	--	< 0.77 U	< 0.78 U	--	< 0.77 U	< 7.7 U	< 15 U
Anthracene	120-12-7	mg/kg	500	1009	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Aramite	140-57-8	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U*	< 0.39 U*	--	< 0.39 U	< 3.9 U	< 7.4 U
Benzo(a)anthracene	56-55-3	mg/kg	5	5	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Benzo(a)pyrene	50-32-8	mg/kg	1.64	1.64	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	**0.44**	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	< 0.084	< 0.075	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Benzo(b)fluoranthene	205-99-2	mg/kg	5	5	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	**0.45**	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Benzo(g,h,i)perylene	191-24-2	mg/kg	500	500	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Benzo(k)fluoranthene	207-08-9	mg/kg	13.7	46	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Benzyl Alcohol	100-51-6	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
beta-Pinene	18172-67-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
bis(2-Chloroethyl)ether	111-44-4	mg/kg	0.6	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
bis(2-Chloroisopropyl)ether	39638-32-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4.1	< 0.41	< 0.45	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	50	50	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	**0.69**	< 490 U	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Butyl benzyl phthalate	85-68-7	mg/kg	50	218.54	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Chrysene	218-01-9	mg/kg	43	141	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Diallate	2303-16-4	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Dibenzo(a,h)anthracene	53-70-3	mg/kg	2	5	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Dibenzofuran	132-64-9	mg/kg	1.0	1.9	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Diethyl phthalate	84-66-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Dimethoate	60-51-5	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Dimethyl phthalate	131-11-3	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Dimethylphenethylamine	122-09-8	mg/kg	--	--	< 76 U	< 400 U	< 79 U	< 78 U	< 380 U	< 78 U	< 79 U	< 77 U	< 1600 U	< 80 U	< 99000 U	--	--	--	--	--	< 78 U	< 79 U	--	< 78 U	< 780 U	< 1500 U
Di-n-butyl phthalate	84-74-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Di-n-octyl phthalate	117-84-0	mg/kg	70	70	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Dinoseb	88-85-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Diphenyl ether	101-84-8	mg/kg	--	--	< 0.38 U	< 2 U	**4.1**	< 0.39 U	< 1.9 U	< 0.38 U	**4.7**	< 0.38 U	**120**	**0.6**	**6900**	--	--	--	--	--	--	--	--	--	--	--

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	GP-11	GP-13	GP-14	GP-15	GP-16	GP-18	GP-2	GP-5	GP-6	GP-7	GP-8	SD-F6	SD-F7	SD-F8	SS-88	SS-89	SB-108	SB-108	SB-109	SB-109	SB-109	SB-110
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	7/26/2007	7/26/2007	7/26/2007	7/26/2007	7/27/2007	7/27/2007	7/26/2007	7/26/2007	7/26/2007	7/26/2007	7/26/2007	11/2/2000	11/2/2000	11/2/2000	11/6/2008	11/10/2008	8/19/2014	8/19/2014	8/20/2014	8/20/2014	8/20/2014	8/20/2014
				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	0-0.5	0-0.5	0-0.5	0-2	0-2	0 - 1	1 - 3	0 - 1	0 - 1	1 - 3	0 - 1
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**																						
Disulfoton	298-04-4	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Ethyl Methanesulfonate	62-50-0	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Famphur	52-85-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U*	< 0.39 U*	--	< 0.39 U	< 3.9 U	< 7.4 U
Fluoranthene	206-44-0	mg/kg	500	500	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	**0.92**	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Fluorene	86-73-7	mg/kg	360	360	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Hexachloro-1,3-butadiene	87-68-3	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Hexachlorobenzene	118-74-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Hexachlorocyclopentadiene	77-47-4	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Hexachloroethane	67-72-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Hexachlorophene	70-30-4	mg/kg	--	--	< 190 U	< 1000 U	< 200 U	< 200 U	< 960 U	< 200 U	< 200 U	< 200 U	< 4000 U	< 200 U	< 250000 U	< 2100	< 210	< 230	--	--	< 200 U	< 200 U	--	< 200 U	< 2000 U	< 3800 U
Hexachloropropene	1888-71-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Isophorone	78-59-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Isosafrole	120-58-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U*	< 0.39 U*	--	< 0.39 U	< 3.9 U	< 7.4 U
Methapyrilene	91-80-5	mg/kg	--	--	< 76 U	< 400 U	< 79 U	< 78 U	< 380 U	< 78 U	< 79 U	< 77 U	< 1600 U	< 80 U	< 99000 U	< 840	< 83	< 92	--	--	< 78 U	< 79 U	--	< 78 U	< 780 U	< 1500 U
Methyl Methanesulfonate	66-27-3	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Methyl Parathion	298-00-0	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Naphthalene	91-20-3	mg/kg	100	100	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Nitrobenzene	98-95-3	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
N-Nitrosodiethylamine	55-18-5	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
N-Nitrosodimethylamine	62-75-9	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
n-Nitrosodi-n-butylamine	924-16-3	mg/kg	1	1	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
N-nitrosodiphenylamine	86-30-6	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
N-Nitrosomorpholine	59-89-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
N-Nitroso-N-methylethylamine	10595-95-	mg/kg	0.68	1	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
N-Nitrosopiperidine	100-75-4	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
N-Nitrosopyrrolidine	930-55-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
o,o,o-Triethyl phosphorothioate	126-68-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	--	--	--	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
o,o,o-Trimethyl thiophosphate	152-18-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4.1	< 0.41	< 0.45	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	297-97-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
o-Toluidine	95-53-4	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Parathion	56-38-2	mg/kg	20	20	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
p-Chloroaniline	106-47-8	mg/kg	--	--	< 0.75 U	< 3.9 U	< 0.78 U	< 0.77 U	< 3.7 U	< 0.76 U	< 0.78 U	< 0.76 U	< 16 U	< 0.78 U	< 980 U	< 8.2	< 0.81	< 0.9	--	--	< 0.77 U	< 0.78 U	--	< 0.77 U	< 7.7 U	< 15 U
Pentachlorobenzene	608-93-5	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Pentachloronitrobenzene	82-68-8	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Pentachlorophenol	87-86-5	mg/kg	--	--	< 1.9 U	< 10 U	< 2 U	< 2 U	< 9.6 U	< 2 U	< 2 U	< 2 U	< 40 U	< 2 U	< 2500 U	< 21	< 2.1	< 2.3	--	--	< 2 U	< 2 U	--	< 2 U*	< 20 U*	< 38 U*
Phenacetin	62-44-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Phenanthrene	85-01-8	mg/kg	110	110	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	**0.42**	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Phenol	108-95-2	mg/kg	50	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Phorate	298-02-2	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Pinene	80-56-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	< 41	< 4.1	< 4.5	--	--	--	--	--	--	--	--
p-Phenylenediamine	106-50-3	mg/kg	--	--	< 1.9 U	< 10 U	< 2 U	< 2 U	< 9.6 U	< 2 U	< 2 U	< 2 U	< 40 U	< 2 U	< 2500 U	< 21	< 2.1	< 2.3	--	--	< 2 U	< 2 U	--	< 2 U	< 20 U	< 38 U
Propyzamide	23950-58-	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Pyrene	129-00-0	mg/kg	500	500	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	**0.45**	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Pyridine	110-86-1	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Safrole	94-59-7	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U
Sulfotep	3689-24-5	mg/kg	--	--	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	< 1.9 U	< 0.38 U	< 0.39 U	< 0.38 U	< 7.8 U	< 0.39 U	< 490 U	< 4.1	< 0.41	< 0.45	--	--	< 0.38 U	< 0.39 U	--	< 0.39 U	< 3.9 U	< 7.4 U

Notes:

Bolded values indicated detections
Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]
Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]
SS-33 is located offsite of the VRP area and is not included in risk assessment.
Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)
D = Compounds identified in an analysis at a secondary dilution filter
J = Estimated value
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
* LCS or LCSD exceeds the control limits
-- Not Analyzed
FD = Field Duplicate
ft bgs = feet below ground surface
N = Normal Sample
RRS = Risk Reduction Standard
SO = Soil
SVOC = Semivolatile organic compound
mg/kg = milligrams per kilogram

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	SB-111	SB-113	SB-114	SB-116	SB-117	SB-120	SB-120	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-138	SB-138	SB-140
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	8/21/2014	8/21/2014	8/20/2014	8/21/2014	8/20/2014	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	8/20/2014	8/20/2014	8/21/2014
				Sample Depth (ft bgs)	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3	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	0 - 1
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD
Constituent	CAS	Units	Type 1/2 RRS	Type 3/4 RRS																						
SVOCs																										
1,1-Biphenyl	92-52-4	mg/kg	1	1	< 8 U	< 0.89 U	< 8.2 U	< 0.89 U	< 0.85 U	< 0.79 U	< 0.81 U	< 0.91 U	< 0.89 U	< 19 U	**140**	**4400**	< 8.2 U	< 8 U	< 8.1 U	< 8.4 U	< 8.6 U	< 19 U	< 17 U	< 0.92 U	< 17 U	< 8.1 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
1,2,4-Trichlorobenzene	120-82-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
1,2-Dichlorobenzene	95-50-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
1,3,5-Trinitrobenzene	99-35-4	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
1,3-Dichlorobenzene	541-73-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
1,3-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
1,4-Dichlorobenzene	106-46-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
1,4-Dioxane	123-91-1	mg/kg	7	7	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
1,4-Naphthoquinone	130-15-4	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
1-Naphthylamine	134-32-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2,2-Oxybis(1-Chloropropane)	108-60-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2,4,5-Trichlorophenol	95-95-4	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2,4,6-Trichlorophenol	88-06-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2,4-Dichlorophenol	120-83-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2,4-Dimethylphenol	105-67-9	mg/kg	70	70	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2,4-Dinitrophenol	51-28-5	mg/kg	--	--	< 18 U	< 2 U	< 19 U	< 2 U	< 2 U	--	--	--	--	--	< 200 U	< 2000 U	< 19 U	< 18 U	< 19 U	< 19 U	< 20 U	< 43 U	< 39 U	--	--	--
2,4-Dinitrotoluene	121-14-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2,6-Dichlorophenol	87-65-0	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2,6-Dinitrotoluene	606-20-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2-Acetylaminofluorene	53-96-3	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2-Chloronaphthalene	91-58-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2-Chlorophenol	95-57-8	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2-Methyl-4,6-dinitrophenol	534-52-1	mg/kg	--	--	< 18 U	< 2 U	< 19 U	< 2 U	< 2 U	--	--	--	--	--	< 200 U	< 2000 U	< 19 U	< 18 U	< 19 U	< 19 U	< 20 U	< 43 U	< 39 U	--	--	--
2-Methylnaphthalene	91-57-6	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2-Methylphenol	95-48-7	mg/kg	3.8	4.1	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2-Naphthylamine	91-59-8	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2-Nitroaniline	88-74-4	mg/kg	--	--	< 18 U	< 2 U	< 19 U	< 2 U	< 2 U	--	--	--	--	--	< 200 U	< 2000 U	< 19 U	< 18 U	< 19 U	< 19 U	< 20 U	< 43 U	< 39 U	--	--	--
2-Nitrophenol	88-75-5	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
2-Picoline	109-06-8	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
3,3-Dichlorobenzidine	91-94-1	mg/kg	--	--	< 7.2 U	< 0.8 U	< 7.3 U	< 0.79 U	< 0.76 U	--	--	--	--	--	< 76 U	< 760 U	< 7.3 U	< 7.1 U	< 7.2 U	< 7.5 U	< 7.6 U	< 17 U	< 15 U	--	--	--
3,3-Dimethylbenzidine	119-93-7	mg/kg	--	--	< 18 U	< 2 U	< 19 U	< 2 U	< 2 U	--	--	--	--	--	< 200 U	< 2000 U	< 19 U	< 18 U	< 19 U	< 19 U	< 20 U	< 43 U	< 39 U	--	--	--
3-Methylchloranthrene	56-49-5	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
3-Methylphenol, 4-Methylphenol	65794-96-	mg/kg	3.8	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	mg/kg	--	--	< 18 U	< 2 U	< 19 U	< 2 U	< 2 U	--	--	--	--	--	< 200 U	< 2000 U	< 19 U	< 18 U	< 19 U	< 19 U	< 20 U	< 43 U	< 39 U	--	--	--
4-Aminobiphenyl	92-67-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
4-Bromophenyl phenyl ether	101-55-3	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
4-Chloro-3-Methylphenol	59-50-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
4-Dimethylaminoazobenzene	60-11-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
4-Methylphenol	106-44-5	mg/kg	3.8	8	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
4-Nitroaniline	100-01-6	mg/kg	--	--	< 18 U	< 2 U	< 19 U	< 2 U	< 2 U	--	--	--	--	--	< 200 U	< 2000 U	< 19 U	< 18 U	< 19 U	< 19 U	< 20 U	< 43 U	< 39 U	--	--	--
4-Nitrophenol	100-02-7	mg/kg	--	--	< 18 U	< 2 U	< 19 U	< 2 U	< 2 U	--	--	--	--	--	< 200 U	< 2000 U	< 19 U	< 18 U	< 19 U	< 19 U	< 20 U	< 43 U	< 39 U	--	--	--
4-Nitroquinoline-N-Oxide	56-57-5	mg/kg	--	--	< 36 U	< 4 U	< 37 U	< 4 U	< 3.8 U	--	--	--	--	--	< 380 U	< 3800 U	< 37 U	< 36 U	< 36 U	< 38 U	< 38 U	< 83 U	< 76 U	--	--	--
5-Nitro-o-Toluidine	99-55-8	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Acenaphthene	83-32-9	mg/kg	300	300	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Acenaphthylene	208-96-8	mg/kg	130	130	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Acetophenone	98-86-2	mg/kg	400	400	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
alpha,alpha-Dimethylphenethylamine	537-46-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	62-53-3	mg/kg	2	2	< 7.2 U	< 0.8 U	< 7.3 U	< 0.79 U	< 0.76 U	--	--	--	--	--	< 76 U	< 760 U	< 7.3 U	< 7.1 U	< 7.2 U	< 7.5 U	< 7.6 U	< 17 U	< 15 U	--	--	< 7.2 U
Anthracene	120-12-7	mg/kg	500	1009	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Aramite	140-57-8	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U*	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U*	< 3.6 U*	< 3.6 U*	< 3.8 U*	< 3.8 U*	< 8.3 U*	< 7.6 U*	--	--	--
Benzo(a)anthracene	56-55-3	mg/kg	5	5	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Benzo(a)pyrene	50-32-8	mg/kg	1.64	1.64	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Benzo(b)fluoranthene	205-99-2	mg/kg	5	5	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Benzo(g,h,i)perylene	191-24-2	mg/kg	500	500	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Benzo(k)fluoranthene	207-08-9	mg/kg	13.7	46	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Benzyl Alcohol	100-51-6	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
beta-Pinene	18172-67-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
bis(2-Chloroethyl)ether	111-44-4	mg/kg	0.6	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
bis(2-Chloroisopropyl)ether	39638-32-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	50	50	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Butyl benzyl phthalate	85-68-7	mg/kg	50	218.54	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Chrysene	218-01-9	mg/kg	43	141	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Diallate	2303-16-4	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Dibenzo(a,h)anthracene	53-70-3	mg/kg	2	5	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Dibenzofuran	132-64-9	mg/kg	1.0	1.9	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Diethyl phthalate	84-66-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Dimethoate	60-51-5	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Dimethyl phthalate	131-11-3	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Dimethylphenethylamine	122-09-8	mg/kg	--	--	< 730 U	< 81 U	< 750 U	< 81 U	< 77 U	--	--	--	--	--	< 7800 U	< 77000 U	< 740 U	< 720 U	< 730 U	< 760 U	< 770 U	< 1700 U	< 1500 U	--	--	--
Di-n-butyl phthalate	84-74-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Di-n-octyl phthalate	117-84-0	mg/kg	70	70	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Dinoseb	88-85-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Diphenyl ether	101-84-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	SB-111	SB-113	SB-114	SB-116	SB-117	SB-120	SB-120	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-138	SB-138	SB-140
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	8/21/2014	8/21/2014	8/20/2014	8/21/2014	8/20/2014	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	8/20/2014	8/20/2014	8/21/2014
				Sample Depth (ft bgs)	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3	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	0 - 1
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	FD
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**																						
Disulfoton	298-04-4	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Ethyl Methanesulfonate	62-50-0	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Famphur	52-85-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U*	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U*	< 3.6 U*	< 3.6 U*	< 3.8 U*	< 3.8 U*	< 8.3 U*	< 7.6 U*	--	--	--
Fluoranthene	206-44-0	mg/kg	500	500	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Fluorene	86-73-7	mg/kg	360	360	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Hexachloro-1,3-butadiene	87-68-3	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Hexachlorobenzene	118-74-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Hexachlorocyclopentadiene	77-47-4	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Hexachloroethane	67-72-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Hexachlorophene	70-30-4	mg/kg	--	--	< 1800 U	< 200 U	< 1900 U	< 200 U	< 200 U	--	--	--	--	--	< 20000 U	< 200000 U	< 1900 U	< 1800 U	< 1900 U	< 1900 U	< 2000 U	< 4300 U	< 3900 U	--	--	--
Hexachloropropene	1888-71-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Isophorone	78-59-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Isosafrole	120-58-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U*	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U*	< 3.6 U*	< 3.6 U*	< 3.8 U*	< 3.8 U*	< 8.3 U*	< 7.6 U*	--	--	--
Methapyrilene	91-80-5	mg/kg	--	--	< 730 U	< 81 U	< 750 U	< 81 U	< 77 U	--	--	--	--	--	< 7800 U	< 77000 U	< 740 U	< 720 U	< 730 U	< 760 U	< 770 U	< 1700 U	< 1500 U	--	--	--
Methyl Methanesulfonate	66-27-3	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Methyl Parathion	298-00-0	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Naphthalene	91-20-3	mg/kg	100	100	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Nitrobenzene	98-95-3	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
N-Nitrosodiethylamine	55-18-5	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
N-Nitrosodimethylamine	62-75-9	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
n-Nitrosodi-n-butylamine	924-16-3	mg/kg	1	1	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
N-nitrosodiphenylamine	86-30-6	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
N-Nitrosomorpholine	59-89-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
N-Nitroso-N-methylethylamine	10595-95-	mg/kg	0.68	1	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
N-Nitrosopiperidine	100-75-4	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
N-Nitrosopyrrolidine	930-55-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
o,o,o-Triethyl phosphorothioate	126-68-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
o,o,o-Trimethyl thiophosphate	152-18-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	297-97-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
o-Toluidine	95-53-4	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Parathion	56-38-2	mg/kg	20	20	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
p-Chloroaniline	106-47-8	mg/kg	--	--	< 7.2 U	< 0.8 U	< 7.3 U	< 0.79 U	< 0.76 U	--	--	--	--	--	< 76 U	< 760 U	< 7.3 U	< 7.1 U	< 7.2 U	< 7.5 U	< 7.6 U	< 17 U	< 15 U	--	--	--
Pentachlorobenzene	608-93-5	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Pentachloronitrobenzene	82-68-8	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Pentachlorophenol	87-86-5	mg/kg	--	--	< 18 U*	< 2 U*	< 19 U*	< 2 U*	< 2 U*	--	--	--	--	--	< 200 U*	< 2000 U*	< 19 U	< 18 U	< 19 U	< 19 U	< 20 U	< 43 U	< 39 U	--	--	--
Phenacetin	62-44-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Phenanthrene	85-01-8	mg/kg	110	110	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Phenol	108-95-2	mg/kg	50	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Phorate	298-02-2	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Pinene	80-56-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine	106-50-3	mg/kg	--	--	< 18 U	< 2 U	< 19 U	< 2 U	< 2 U	--	--	--	--	--	< 200 U	< 2000 U	< 19 U	< 18 U	< 19 U	< 19 U	< 20 U	< 43 U	< 39 U	--	--	--
Propyzamide	23950-58-	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Pyrene	129-00-0	mg/kg	500	500	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Pyridine	110-86-1	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Safrole	94-59-7	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--
Sulfotep	3689-24-5	mg/kg	--	--	< 3.6 U	< 0.4 U	< 3.7 U	< 0.4 U	< 0.38 U	--	--	--	--	--	< 38 U	< 380 U	< 3.7 U	< 3.6 U	< 3.6 U	< 3.8 U	< 3.8 U	< 8.3 U	< 7.6 U	--	--	--

Notes:

Bolded values indicated detections
Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]
Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]
SS-33 is located offsite of the VRP area and is not included in risk assessment.
Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)
D = Compounds identified in an analysis at a secondary dilution filter
J = Estimated value
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
* LCS or LCSD exceeds the control limits
-- Not Analyzed
FD = Field Duplicate
ft bgs = feet below ground surface
N = Normal Sample
RRS = Risk Reduction Standard
SO = Soil
SVOC = Semivolatile organic compound
mg/kg = milligrams per kilogram

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	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	SB-155	SB-156
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	8/21/2014	8/21/2014	8/20/2014	8/21/2014	8/21/2014	8/21/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/20/2014	8/20/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014
				Sample Depth (ft bgs)	0 - 1	1 - 3	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
				Sample Type	N	N	N	N	N	N	FD	N	FD	N	N	N	FD	N	N	N	N	N	N	FD	N	N
Constituent	CAS	Units	Type 1/2 RRS	Type 3/4 RRS																						
SVOCs																										
1,1-Biphenyl	92-52-4	mg/kg	1	1	< 0.9 U	< 0.9 U	< 19 U	< 8.1 U	< 0.87 U	< 8 U	< 9 U	< 7.7 U	< 8.2 U	< 8.3 U	< 8.2 U	< 8.4 U	< 8.4 U	< 8.1 U	< 9.7 U	< 8.9 U	< 18 U	< 0.95 U	< 8.2 U	< 8.1 U	< 8.3 U	< 8.1 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	120-82-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	95-50-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene	99-35-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	541-73-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	106-46-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	123-91-1	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone	130-15-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine	134-32-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)	108-60-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	95-95-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	88-06-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	120-83-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	105-67-9	mg/kg	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	51-28-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	121-14-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	87-65-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	606-20-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Acetylaminofluorene	53-96-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	91-58-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	95-57-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	534-52-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	91-57-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	95-48-7	mg/kg	3.8	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Naphthylamine	91-59-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	88-74-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	88-75-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline	109-06-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	91-94-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine	119-93-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene	56-49-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylphenol, 4-Methylphenol	65794-96-	mg/kg	3.8	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Aminobiphenyl	92-67-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	101-55-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	59-50-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene	60-11-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	106-44-5	mg/kg	3.8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	100-01-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	100-02-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroquinoline-N-Oxide	56-57-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-Nitro-o-Toluidine	99-55-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	83-32-9	mg/kg	300	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	208-96-8	mg/kg	130	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	98-86-2	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha,alpha-Dimethylphenethylamine	537-46-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	62-53-3	mg/kg	2	2	< 0.8 U	< 0.8 U	< 17 U	--	--	< 7.1 U	--	< 6.9 U	< 7.3 U	< 7.4 U	< 7.3 U	< 7.5 U	--	--	--	--	--	--	--	--	--	--
Anthracene	120-12-7	mg/kg	500	1009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aramite	140-57-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	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	13.7	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl Alcohol	100-51-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-Pinene	18172-67-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	111-44-4	mg/kg	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether	39638-32-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	50	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzyl phthalate	85-68-7	mg/kg	50	218.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	218-01-9	mg/kg	43	141	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diallate	2303-16-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	53-70-3	mg/kg	2	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	132-64-9	mg/kg	1.0	1.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	84-66-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate	60-51-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	131-11-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine	122-09-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	84-74-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	117-84-0	mg/kg	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb	88-85-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diphenyl ether	101-84-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	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	SB-155	SB-156
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	8/21/2014	8/21/2014	8/20/2014	8/21/2014	8/21/2014	8/21/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014	8/20/2014	8/20/2014	8/22/2014	8/22/2014	8/22/2014	8/22/2014
				Sample Depth (ft bgs)	0 - 1	1 - 3	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1	0 - 1
				Sample Type	N	N	N	N	N	N	FD	N	FD	N	N	N	FD	N	N	N	N	N	N	FD	N	N
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**																						
Disulfoton	298-04-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate	62-50-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur	52-85-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	206-44-0	mg/kg	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	86-73-7	mg/kg	360	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene	87-68-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	118-74-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	77-47-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	67-72-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene	70-30-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene	1888-71-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	78-59-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isosafrole	120-58-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methapyrilene	91-80-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Methanesulfonate	66-27-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Parathion	298-00-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	91-20-3	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	98-95-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine	55-18-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	62-75-9	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-butylamine	924-16-3	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	86-30-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine	59-89-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitroso-N-methylethylamine	10595-95-	mg/kg	0.68	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine	100-75-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine	930-55-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate	126-68-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Trimethyl thiophosphate	152-18-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	297-97-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine	95-53-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	56-38-2	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline	106-47-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene	608-93-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene	82-68-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	87-86-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin	62-44-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	85-01-8	mg/kg	110	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	108-95-2	mg/kg	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate	298-02-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinene	80-56-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine	106-50-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide	23950-58-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	129-00-0	mg/kg	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine	110-86-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole	94-59-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep	3689-24-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Bolded values indicated detections
Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]
Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]
SS-33 is located offsite of the VRP area and is not included in risk assessment.
Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)
D = Compounds identified in an analysis at a secondary dilution filter
J = Estimated value
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
* LCS or LCSD exceeds the control limits
-- Not Analyzed
FD = Field Duplicate
ft bgs = feet below ground surface
N = Normal Sample
RRS = Risk Reduction Standard
SO = Soil
SVOC = Semivolatile organic compound
mg/kg = milligrams per kilogram

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	SB-F1	SB-F12	SB-F14	SB-F15	SB-F19	SB-F27	SB-F3	SB-F3A	SB-F3RE	SB-F4	SB-F4	SB-F6	SS-1	SS-2	SS-3	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-4
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	10/19/2000	10/20/2000	10/19/2000	10/18/2000	10/17/2000	10/19/2000	10/24/2000	11/8/2002	12/19/2002	8/19/2014	10/19/2000	10/19/2000	7/2/2004	7/2/2004	7/2/2004	11/8/2002	11/8/2002	11/8/2002	11/8/2002	11/8/2002	11/8/2002	7/2/2004
				Sample Depth (ft bgs)	1 - 3	1 - 3	1 - 3	0 - 3	0 - 3	1 - 3	0 - 2	0 - 1	0 - 2	0 - 1	0.5 - 2	1 - 3	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituent	CAS	Units	Type 1/2 RRS	Type 3/4 RRS																						
SVOCs																										
1,1-Biphenyl	92-52-4	mg/kg	1	1	**1.3**	< 0.72 U	< 0.78 U	< 0.74 U	< 0.78 U	< 0.75 U	< 4.1 U	< 0.78 U	< 0.78 U	< 17 U	< 0.77 U	< 0.77 U	--	--	--	< 0.86 U	< 0.89 U	< 0.82 U	< 0.8 U	< 0.8 U	< 0.84 U	--
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
1,2,4-Trichlorobenzene	120-82-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
1,2-Dichlorobenzene	95-50-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
1,3,5-Trinitrobenzene	99-35-4	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
1,3-Dichlorobenzene	541-73-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
1,3-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
1,4-Dichlorobenzene	106-46-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
1,4-Dioxane	123-91-1	mg/kg	7	7	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
1,4-Naphthoquinone	130-15-4	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
1-Naphthylamine	134-32-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2,2-Oxybis(1-Chloropropane)	108-60-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2,4,5-Trichlorophenol	95-95-4	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2,4,6-Trichlorophenol	88-06-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2,4-Dichlorophenol	120-83-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2,4-Dimethylphenol	105-67-9	mg/kg	70	70	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2,4-Dinitrophenol	51-28-5	mg/kg	--	--	< 1.9 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U	< 1.9 U	< 10 U	--	--	--	< 2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	--	--	--	--	--	--	< 2 U
2,4-Dinitrotoluene	121-14-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2,6-Dichlorophenol	87-65-0	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2,6-Dinitrotoluene	606-20-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2-Acetylaminofluorene	53-96-3	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2-Chloronaphthalene	91-58-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2-Chlorophenol	95-57-8	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2-Methyl-4,6-dinitrophenol	534-52-1	mg/kg	--	--	< 1.9 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U	< 1.9 U	< 10 U	--	--	--	< 2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	--	--	--	--	--	--	< 2 U
2-Methylnaphthalene	91-57-6	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2-Methylphenol	95-48-7	mg/kg	3.8	4.1	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2-Naphthylamine	91-59-8	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2-Nitroaniline	88-74-4	mg/kg	--	--	< 1.9 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U	< 1.9 U	< 10 U	--	--	--	< 2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	--	--	--	--	--	--	< 2 U
2-Nitrophenol	88-75-5	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
2-Picoline	109-06-8	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
3,3-Dichlorobenzidine	91-94-1	mg/kg	--	--	< 0.73 U	< 0.72 U	< 0.78 U	< 0.74 U	< 0.78 U	< 0.75 U	< 4.1 U	--	--	--	< 0.77 U	< 0.77 U	< 0.78 U	< 0.75 U	< 0.74 U	--	--	--	--	--	--	< 0.8 U
3,3-Dimethylbenzidine	119-93-7	mg/kg	--	--	< 1.9 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U	< 1.9 U	< 10 U	--	--	--	< 2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	--	--	--	--	--	--	< 2 U
3-Methylchloranthrene	56-49-5	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
3-Methylphenol, 4-Methylphenol	65794-96-	mg/kg	3.8	4.1	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	mg/kg	--	--	< 1.9 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U	< 1.9 U	< 10 U	--	--	--	< 2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	--	--	--	--	--	--	< 2 U
4-Aminobiphenyl	92-67-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
4-Bromophenyl phenyl ether	101-55-3	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
4-Chloro-3-Methylphenol	59-50-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
4-Dimethylaminoazobenzene	60-11-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
4-Methylphenol	106-44-5	mg/kg	3.8	8	--	--	--	--	--	--	--	--	--	--	--	--	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
4-Nitroaniline	100-01-6	mg/kg	--	--	< 1.9 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U	< 1.9 U	< 10 U	--	--	--	< 2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	--	--	--	--	--	--	< 2 U
4-Nitrophenol	100-02-7	mg/kg	--	--	< 1.9 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U	< 1.9 U	< 10 U	--	--	--	< 2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	--	--	--	--	--	--	< 2 U
4-Nitroquinoline-N-Oxide	56-57-5	mg/kg	--	--	< 3.7 U	< 3.6 U	< 3.9 U	< 3.7 U	< 3.9 U	< 3.8 U	< 20 U	--	--	--	< 3.8 U	< 3.8 U	< 3.9 U	< 3.8 U	< 3.7 U	--	--	--	--	--	--	< 4 U
5-Nitro-o-Toluidine	99-55-8	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Acenaphthene	83-32-9	mg/kg	300	300	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Acenaphthylene	208-96-8	mg/kg	130	130	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Acetophenone	98-86-2	mg/kg	400	400	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
alpha,alpha-Dimethylphenethylamine	537-46-2	mg/kg	--	--	< 74 U	< 73 U	< 80 U	< 75 U	< 79 U	< 76 U	< 410 U	--	--	--	< 78 U	< 78 U	--	--	--	--	--	--	--	--	--	--
Aniline	62-53-3	mg/kg	2	2	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	**3.3**	< 0.39 U	< 0.39 U	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	< 0.43 U	< 0.44 U	< 0.41 U	< 0.4 U	< 0.4 U	< 0.42 U	< 0.4 U
Anthracene	120-12-7	mg/kg	500	1009	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Aramite	140-57-8	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Benzo(a)anthracene	56-55-3	mg/kg	5	5	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Benzo(a)pyrene	50-32-8	mg/kg	1.64	1.64	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	< 0.43 U	< 0.44 U	< 0.41 U	< 0.4 U	< 0.4 U	< 0.42 U	< 0.4 U
Benzo(b)fluoranthene	205-99-2	mg/kg	5	5	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Benzo(g,h,i)perylene	191-24-2	mg/kg	500	500	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Benzo(k)fluoranthene	207-08-9	mg/kg	13.7	46	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Benzyl Alcohol	100-51-6	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
beta-Pinene	18172-67-	mg/kg	--	--	< 3.7 U	< 3.6 U	< 3.9 U	< 3.7 U	< 3.9 U	< 3.8 U	< 20 U	--	--	--	< 3.8 U	< 3.8 U	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
bis(2-Chloroethyl)ether	111-44-4	mg/kg	0.6	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
bis(2-Chloroisopropyl)ether	39638-32-	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	50	50	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	**1.2**	**1**	**2.2**	**0.5**	**1.7**	**1.3**	< 0.4 U
Butyl benzyl phthalate	85-68-7	mg/kg	50	218.54	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Chrysene	218-01-9	mg/kg	43	141	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Diallate	2303-16-4	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Dibenzo(a,h)anthracene	53-70-3	mg/kg	2	5	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Dibenzofuran	132-64-9	mg/kg	1.0	1.9	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Diethyl phthalate	84-66-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Dimethoate	60-51-5	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	131-11-3	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Dimethylphenethylamine	122-09-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 79 U	< 76 U	< 75 U	--	--	--	--	--	--	< 81 U
Di-n-butyl phthalate	84-74-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Di-n-octyl phthalate	117-84-0	mg/kg	70	70	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Dinoseb	88-85-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Diphenyl ether	101-84-8	mg/kg	--	--	**5.4**	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 4.1 U	< 0.39 U	< 0.39 U	--	**0.86**	< 0.38 U	--	--	--	< 0.43 U	< 0.44 U	< 0.41 U	< 0.4 U	< 0.4 U	< 0.42 U	--

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	SB-F1	SB-F12	SB-F14	SB-F15	SB-F19	SB-F27	SB-F3	SB-F3A	SB-F3RE	SB-F4	SB-F4	SB-F6	SS-1	SS-2	SS-3	SS-30	SS-31	SS-32	SS-33	SS-34	SS-35	SS-4
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	10/19/2000	10/20/2000	10/19/2000	10/18/2000	10/17/2000	10/19/2000	10/24/2000	11/8/2002	12/19/2002	8/19/2014	10/19/2000	10/19/2000	7/2/2004	7/2/2004	7/2/2004	11/8/2002	11/8/2002	11/8/2002	11/8/2002	11/8/2002	11/8/2002	7/2/2004
				Sample Depth (ft bgs)	1 - 3	1 - 3	1 - 3	0 - 3	0 - 3	1 - 3	0 - 2	0 - 1	0 - 2	0 - 1	0.5 - 2	1 - 3	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituent	CAS	Units	Type 1/2 RRS	Type 3/4 RRS																						
Disulfoton	298-04-4	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate	62-50-0	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Famphur	52-85-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	--	--	--	--	--	--	--	--	--	--
Fluoranthene	206-44-0	mg/kg	500	500	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Fluorene	86-73-7	mg/kg	360	360	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Hexachloro-1,3-butadiene	87-68-3	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Hexachlorobenzene	118-74-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Hexachlorocyclopentadiene	77-47-4	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Hexachloroethane	67-72-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Hexachlorophene	70-30-4	mg/kg	--	--	< 190 U	< 180 U	< 200 U	< 190 U	< 200 U	< 190 U	< 1000 U	--	--	--	< 200 U	< 200 U	< 200 U	< 190 U	< 190 U	--	--	--	--	--	--	< 200 U
Hexachloropropene	1888-71-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Isophorone	78-59-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Isosafrole	120-58-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Methapyrilene	91-80-5	mg/kg	--	--	< 74 U	< 73 U	< 80 U	< 75 U	< 79 U	< 76 U	< 410 U	--	--	--	< 78 U	< 78 U	< 79 U	< 76 U	< 75 U	--	--	--	--	--	--	< 81 U
Methyl Methanesulfonate	66-27-3	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Methyl Parathion	298-00-0	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	--	--	--	--	--	--	--	--	--	--
Naphthalene	91-20-3	mg/kg	100	100	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	< 0.39 U	< 0.39 U	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	< 0.43 U	< 0.44 U	< 0.41 U	< 0.4 U	< 0.4 U	< 0.42 U	< 0.4 U
Nitrobenzene	98-95-3	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
N-Nitrosodiethylamine	55-18-5	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
N-Nitrosodimethylamine	62-75-9	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
n-Nitrosodi-n-butylamine	924-16-3	mg/kg	1	1	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
N-nitrosodiphenylamine	86-30-6	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
N-Nitrosomorpholine	59-89-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
N-Nitroso-N-methylethylamine	10595-95-	mg/kg	0.68	1	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
N-Nitrosopiperidine	100-75-4	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
N-Nitrosopyrrolidine	930-55-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
o,o,o-Triethyl phosphorothioate	126-68-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
o,o,o-Trimethyl thiophosphate	152-18-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	297-97-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine	95-53-4	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Parathion	56-38-2	mg/kg	20	20	< 0.37 U	< 0.36 U	**1.4**	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	**2.1**	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline	106-47-8	mg/kg	--	--	< 0.73 U	< 0.72 U	< 0.78 U	< 0.74 U	< 0.78 U	< 0.75 U	< 4.1 U	--	--	--	< 0.77 U	< 0.77 U	< 0.78 U	< 0.75 U	< 0.74 U	--	--	--	--	--	--	< 0.8 U
Pentachlorobenzene	608-93-5	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Pentachloronitrobenzene	82-68-8	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Pentachlorophenol	87-86-5	mg/kg	--	--	< 1.9 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U	< 1.9 U	< 10 U	--	--	--	< 2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	--	--	--	--	--	--	< 2 U
Phenacetin	62-44-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Phenanthrene	85-01-8	mg/kg	110	110	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	**0.46**	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Phenol	108-95-2	mg/kg	50	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Phorate	298-02-2	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	--	--	--	--	--	--	--	--	--	--
Pinene	80-56-8	mg/kg	--	--	< 3.7 U	< 3.6 U	< 3.9 U	< 3.7 U	< 3.9 U	< 3.8 U	< 20 U	--	--	--	< 3.8 U	< 3.8 U	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine	106-50-3	mg/kg	--	--	< 1.9 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U	< 1.9 U	< 10 U	--	--	--	< 2 U	< 2 U	< 2 U	< 1.9 U	< 1.9 U	--	--	--	--	--	--	< 2 U
Propyzamide	23950-58-	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Pyrene	129-00-0	mg/kg	500	500	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Pyridine	110-86-1	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Safrole	94-59-7	mg/kg	--	--	< 0.37 U	< 0.36 U	< 0.39 U	< 0.37 U	< 0.39 U	< 0.38 U	< 2 U	--	--	--	< 0.38 U	< 0.38 U	< 0.39 U	< 0.38 U	< 0.37 U	--	--	--	--	--	--	< 0.4 U
Sulfotep	3689-24-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Bolded values indicated detections
Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]
Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]
SS-33 is located offsite of the VRP area and is not included in risk assessment.
Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)
D = Compounds identified in an analysis at a secondary dilution filter
J = Estimated value
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
* LCS or LCSD exceeds the control limits
-- Not Analyzed
FD = Field Duplicate
ft bgs = feet below ground surface
N = Normal Sample
RRS = Risk Reduction Standard
SO = Soil
SVOC = Semivolatile organic compound
mg/kg = milligrams per kilogram

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	SS-43	SS-44	SS-45	SS-46	SS-47	SS-48	SS-49	SS-50	SS-51	SS-52	SS-53	SS-54	SS-55	SS-56	SS-57	SS-58	SS-59	SS-60	SS-61	SS-62	SS-63	SB-157
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/19/2002	12/19/2002	12/17/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/17/2002	12/19/2002	12/19/2002	8/11/2015
				Sample Depth (ft bgs)	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	0-2
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituent	CAS	Units	Type 1/2 RRS	Type 3/4 RRS																						
SVOCs																										
1,1-Biphenyl	92-52-4	mg/kg	1	1	< 0.75 U	< 0.76 U	< 0.74 U	< 0.74 U	< 0.75 U	< 0.77 U	< 0.8 U	< 0.84 U	< 0.76 U	< 0.78 U	< 0.72 U	< 0.75 U	< 0.76 U	< 0.72 U	< 0.78 U	< 0.77 U	< 0.89 U	< 0.85 U	< 0.75 U	< 0.78 U	< 0.76 U	< 0.042 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	120-82-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	95-50-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene	99-35-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	541-73-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	106-46-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	123-91-1	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone	130-15-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine	134-32-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)	108-60-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	95-95-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	88-06-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	120-83-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	105-67-9	mg/kg	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	51-28-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	121-14-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	87-65-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	606-20-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Acetylaminofluorene	53-96-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	91-58-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	95-57-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	534-52-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	91-57-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	95-48-7	mg/kg	3.8	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Naphthylamine	91-59-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	88-74-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	88-75-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline	109-06-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	91-94-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine	119-93-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene	56-49-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylphenol, 4-Methylphenol	65794-96-	mg/kg	3.8	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Aminobiphenyl	92-67-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	101-55-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	59-50-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene	60-11-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	106-44-5	mg/kg	3.8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	100-01-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	100-02-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroquinoline-N-Oxide	56-57-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-Nitro-o-Toluidine	99-55-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	83-32-9	mg/kg	300	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	208-96-8	mg/kg	130	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	98-86-2	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha,alpha-Dimethylphenethylamine	537-46-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	62-53-3	mg/kg	2	2	< 0.38 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.38 U	< 0.38 U	< 0.4 U	< 0.42 U	< 0.38 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.39 U	< 0.38 U	< 0.44 U	< 0.42 U	< 0.38 U	< 0.39 U	< 0.38 U	NA
Anthracene	120-12-7	mg/kg	500	1009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aramite	140-57-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	56-55-3	mg/kg	5	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)pyrene	50-32-8	mg/kg	1.64	1.64	< 0.38 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.38 U	< 0.38 U	< 0.4 U	< 0.42 U	< 0.38 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.39 U	< 0.38 U	< 0.44 U	< 0.42 U	< 0.38 U	**0.72**	< 0.38 U	--
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	13.7	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl Alcohol	100-51-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-Pinene	18172-67-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	111-44-4	mg/kg	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether	39638-32-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	50	50	< 0.38 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.38 U	< 0.38 U	< 0.4 U	< 0.42 U	< 0.38 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.39 U	< 0.38 U	< 0.44 U	< 0.42 U	< 0.38 U	< 0.39 U	< 0.38 U	--
Butyl benzyl phthalate	85-68-7	mg/kg	50	218.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	218-01-9	mg/kg	43	141	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diallate	2303-16-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	53-70-3	mg/kg	2	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	132-64-9	mg/kg	1.0	1.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	84-66-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate	60-51-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	131-11-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine	122-09-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	84-74-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	117-84-0	mg/kg	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb	88-85-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diphenyl ether	101-84-8	mg/kg	--	--	**0.57**	< 0.38 U	< 0.37 U	< 0.37 U	< 0.38 U	< 0.38 U	< 0.4 U	< 0.42 U	**0.5**	< 0.39 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.39 U	< 0.38 U	< 0.44 U	< 0.42 U	< 0.38 U	< 0.39 U	< 0.38 U	--

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	SS-43	SS-44	SS-45	SS-46	SS-47	SS-48	SS-49	SS-50	SS-51	SS-52	SS-53	SS-54	SS-55	SS-56	SS-57	SS-58	SS-59	SS-60	SS-61	SS-62	SS-63	SB-157
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/17/2002	12/19/2002	12/19/2002	12/17/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/19/2002	12/17/2002	12/19/2002	12/19/2002	8/11/2015
				Sample Depth (ft bgs)	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	1 - 2	0-2
				Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**																						
Disulfoton	298-04-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate	62-50-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur	52-85-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	206-44-0	mg/kg	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	86-73-7	mg/kg	360	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene	87-68-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	118-74-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	77-47-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	67-72-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene	70-30-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene	1888-71-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	78-59-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isosafrole	120-58-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methapyrilene	91-80-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Methanesulfonate	66-27-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Parathion	298-00-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	91-20-3	mg/kg	100	100	< 0.38 U	< 0.38 U	< 0.37 U	< 0.37 U	< 0.38 U	< 0.38 U	< 0.4 U	< 0.42 U	< 0.38 U	< 0.39 U	< 0.36 U	< 0.38 U	< 0.38 U	< 0.36 U	< 0.39 U	< 0.38 U	< 0.44 U	< 0.42 U	< 0.38 U	< 0.39 U	< 0.38 U	--
Nitrobenzene	98-95-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine	55-18-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	62-75-9	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-butylamine	924-16-3	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	86-30-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine	59-89-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitroso-N-methylethylamine	10595-95-	mg/kg	0.68	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine	100-75-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine	930-55-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate	126-68-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Trimethyl thiophosphate	152-18-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	297-97-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine	95-53-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	56-38-2	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline	106-47-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene	608-93-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene	82-68-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	87-86-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin	62-44-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	85-01-8	mg/kg	110	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	108-95-2	mg/kg	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate	298-02-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinene	80-56-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine	106-50-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide	23950-58-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	129-00-0	mg/kg	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine	110-86-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole	94-59-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep	3689-24-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Bolded values indicated detections
Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]
Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]
SS-33 is located offsite of the VRP area and is not included in risk assessment.
Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)
D = Compounds identified in an analysis at a secondary dilution filter
J = Estimated value
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
* LCS or LCSD exceeds the control limits
-- Not Analyzed
FD = Field Duplicate
ft bgs = feet below ground surface
N = Normal Sample
RRS = Risk Reduction Standard
SO = Soil
SVOC = Semivolatile organic compound
mg/kg = milligrams per kilogram

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	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-173	SB-174	SB-176	SB-177	SB-178	SB-179	SB-180	SB-186	SB-186	SB-187
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/11/2015	8/11/2015	8/11/2015	8/12/2015	8/12/2015	8/13/2015	8/12/2015	8/13/2015	8/13/2015	8/12/2015	8/13/2015	8/12/2015	8/13/2015	8/13/2015	8/12/2015
				Sample Depth (ft bgs)	2-4	0-2	2-4	0-2	2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
				Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**																								
SVOCs																												
1,1-Biphenyl	92-52-4	mg/kg	1	1	< 0.040 U	**5.1**	**0.30**	**0.18**	**0.011 J**	< 0.19 U	**0.10 J**	**0.085 J**	< 0.19 U	< 0.044 U	**250**	< 0.41 U	< 0.039 U	**1.1**	< 0.036 U	< 0.037 U	< 0.038 U	**0.041**	**0.097**	< 0.38 U	**0.0084 J**	**0.014 J**	**0.026 J**	< 0.036 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	120-82-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	95-50-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene	99-35-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	541-73-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	106-46-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	123-91-1	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone	130-15-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine	134-32-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)	108-60-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	95-95-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	88-06-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	120-83-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	105-67-9	mg/kg	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	51-28-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	121-14-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	87-65-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	606-20-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Acetylaminofluorene	53-96-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	91-58-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	95-57-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	534-52-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	91-57-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	95-48-7	mg/kg	3.8	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Naphthylamine	91-59-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	88-74-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	88-75-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline	109-06-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	91-94-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine	119-93-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene	56-49-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylphenol, 4-Methylphenol	65794-96-	mg/kg	3.8	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Aminobiphenyl	92-67-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	101-55-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	59-50-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene	60-11-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	106-44-5	mg/kg	3.8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	100-01-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	100-02-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroquinoline-N-Oxide	56-57-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-Nitro-o-Toluidine	99-55-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	83-32-9	mg/kg	300	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	208-96-8	mg/kg	130	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	98-86-2	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha,alpha-Dimethylphenethylamine	537-46-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	62-53-3	mg/kg	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	120-12-7	mg/kg	500	1009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aramite	140-57-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	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	13.7	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl Alcohol	100-51-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-Pinene	18172-67-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	111-44-4	mg/kg	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether	39638-32-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	50	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzyl phthalate	85-68-7	mg/kg	50	218.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	218-01-9	mg/kg	43	141	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diallate	2303-16-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	53-70-3	mg/kg	2	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	132-64-9	mg/kg	1.0	1.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	84-66-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate	60-51-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	131-11-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine	122-09-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	84-74-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	117-84-0	mg/kg	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb	88-85-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diphenyl ether	101-84-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	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-173	SB-174	SB-176	SB-177	SB-178	SB-179	SB-180	SB-186	SB-186	SB-187
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/11/2015	8/11/2015	8/11/2015	8/12/2015	8/12/2015	8/13/2015	8/12/2015	8/13/2015	8/13/2015	8/12/2015	8/13/2015	8/12/2015	8/13/2015	8/13/2015	8/12/2015
				Sample Depth (ft bgs)	2-4	0-2	2-4	0-2	2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
				Sample Type	N	N	N	N	N	N	N	FD	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**																								
Disulfoton	298-04-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate	62-50-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur	52-85-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	206-44-0	mg/kg	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	86-73-7	mg/kg	360	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene	87-68-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	118-74-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	77-47-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	67-72-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene	70-30-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene	1888-71-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	78-59-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isosafrole	120-58-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methapyrilene	91-80-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Methanesulfonate	66-27-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Parathion	298-00-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	91-20-3	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	98-95-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine	55-18-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	62-75-9	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-butylamine	924-16-3	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	86-30-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine	59-89-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitroso-N-methylethylamine	10595-95-	mg/kg	0.68	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine	100-75-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine	930-55-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate	126-68-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Trimethyl thiophosphate	152-18-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	297-97-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine	95-53-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	56-38-2	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline	106-47-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene	608-93-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene	82-68-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	87-86-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin	62-44-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	85-01-8	mg/kg	110	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	108-95-2	mg/kg	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate	298-02-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinene	80-56-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine	106-50-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide	23950-58-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	129-00-0	mg/kg	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine	110-86-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole	94-59-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep	3689-24-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Bolded values indicated detections

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

SS-33 is located offsite of the VRP area and is not included in risk assessment.

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

D = Compounds identified in an analysis at a secondary dilution filter

J = Estimated value

U = Not detected above reporting limit

< = Concentration is less than the reporting limit

* LCS or LCSD exceeds the control limits

-- Not Analyzed

FD = Field Duplicate

ft bgs = feet below ground surface

N = Normal Sample

RRS = Risk Reduction Standard

SO = Soil

SVOC = Semivolatile organic compound

mg/kg = milligrams per kilogram

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	SB-188	SB-189	SB-190	SB-191	SB-191	SB-192	SB-193	SB-194	SB-195	SB-196	SB-197	SB-198	SB-199	SB-199	SB-205	SB-206	SB-208	SB-208	SB-209
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	8/13/2015	8/12/2015	8/12/2015	8/12/2015	8/12/2015	8/12/2015	8/13/2015	8/12/2015	8/12/2015	8/12/2015	8/12/2015	8/11/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/14/2015	8/14/2015	8/14/2015
				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	0-2	2-4	0-2
				Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**																			
SVOCs																							
1,1-Biphenyl	92-52-4	mg/kg	1	1	**0.016 J**	**9.3**	**0.94**	**0.021 J**	**0.017 J**	**0.050**	**0.43**	**0.14**	< 0.036 U	**0.030 J**	< 0.036 U	**4.1**	**0.012 J**	**0.012 J**	NA	NA	< 0.036 U	< 0.18 U	< 0.037 U
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	120-82-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	95-50-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3,5-Trinitrobenzene	99-35-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	541-73-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,3-Dinitrobenzene	99-65-0	mg/kg	1.05	1.05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	106-46-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Dioxane	123-91-1	mg/kg	7	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,4-Naphthoquinone	130-15-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1-Naphthylamine	134-32-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,2-Oxybis(1-Chloropropane)	108-60-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,5-Trichlorophenol	95-95-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4,6-Trichlorophenol	88-06-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dichlorophenol	120-83-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	105-67-9	mg/kg	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrophenol	51-28-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,4-Dinitrotoluene	121-14-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dichlorophenol	87-65-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	606-20-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Acetylaminofluorene	53-96-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chloronaphthalene	91-58-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Chlorophenol	95-57-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methyl-4,6-dinitrophenol	534-52-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	91-57-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Methylphenol	95-48-7	mg/kg	3.8	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Naphthylamine	91-59-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitroaniline	88-74-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Nitrophenol	88-75-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
2-Picoline	109-06-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dichlorobenzidine	91-94-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3,3-Dimethylbenzidine	119-93-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylchloranthrene	56-49-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Methylphenol, 4-Methylphenol	65794-96-	mg/kg	3.8	4.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3-Nitroaniline	99-09-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Aminobiphenyl	92-67-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl phenyl ether	101-55-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chloro-3-Methylphenol	59-50-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Dimethylaminoazobenzene	60-11-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Methylphenol	106-44-5	mg/kg	3.8	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroaniline	100-01-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitrophenol	100-02-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4-Nitroquinoline-N-Oxide	56-57-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
5-Nitro-o-Toluidine	99-55-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
7,12-Dimethylbenz(a)anthracene	57-97-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthene	83-32-9	mg/kg	300	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acenaphthylene	208-96-8	mg/kg	130	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetophenone	98-86-2	mg/kg	400	400	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha,alpha-Dimethylphenethylamine	537-46-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aniline	62-53-3	mg/kg	2	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 0.076 U	< 0.38 U	NA	NA	NA
Anthracene	120-12-7	mg/kg	500	1009	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Aramite	140-57-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(a)anthracene	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	13.7	46	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzyl Alcohol	100-51-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
beta-Pinene	18172-67-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	111-91-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	111-44-4	mg/kg	0.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether	39638-32-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	117-81-7	mg/kg	50	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Butyl benzyl phthalate	85-68-7	mg/kg	50	218.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	218-01-9	mg/kg	43	141	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diallate	2303-16-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzo(a,h)anthracene	53-70-3	mg/kg	2	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dibenzofuran	132-64-9	mg/kg	1.0	1.9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diethyl phthalate	84-66-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethoate	60-51-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethyl phthalate	131-11-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dimethylphenethylamine	122-09-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-butyl phthalate	84-74-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Di-n-octyl phthalate	117-84-0	mg/kg	70	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dinoseb	88-85-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Diphenyl ether	101-84-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 7b
Historical and Recent Soil Analytical Data, SVOCs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	SB-188	SB-189	SB-190	SB-191	SB-191	SB-192	SB-193	SB-194	SB-195	SB-196	SB-197	SB-198	SB-199	SB-199	SB-205	SB-206	SB-208	SB-208	SB-209
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	8/13/2015	8/12/2015	8/12/2015	8/12/2015	8/12/2015	8/12/2015	8/13/2015	8/12/2015	8/12/2015	8/12/2015	8/12/2015	8/11/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015	8/14/2015	8/14/2015	8/14/2015
				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	0-2	2-4	0-2
				Sample Type	N	N	N	FD	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**																			
Disulfoton	298-04-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethyl Methanesulfonate	62-50-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Famphur	52-85-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluoranthene	206-44-0	mg/kg	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fluorene	86-73-7	mg/kg	360	360	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloro-1,3-butadiene	87-68-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	118-74-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorocyclopentadiene	77-47-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloroethane	67-72-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachlorophene	70-30-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hexachloropropene	1888-71-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isophorone	78-59-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isosafrole	120-58-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methapyrilene	91-80-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Methanesulfonate	66-27-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Parathion	298-00-0	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	91-20-3	mg/kg	100	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nitrobenzene	98-95-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodiethylamine	55-18-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosodimethylamine	62-75-9	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-butylamine	924-16-3	mg/kg	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-nitrosodiphenylamine	86-30-6	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosomorpholine	59-89-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitroso-N-methylethylamine	10595-95-	mg/kg	0.68	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopiperidine	100-75-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
N-Nitrosopyrrolidine	930-55-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Triethyl phosphorothioate	126-68-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o,o-Trimethyl thiophosphate	152-18-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o,o-Diethyl o-pyrazinyl phosphorothioate	297-97-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
o-Toluidine	95-53-4	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Parathion	56-38-2	mg/kg	20	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Chloroaniline	106-47-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorobenzene	608-93-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachloronitrobenzene	82-68-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pentachlorophenol	87-86-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenacetin	62-44-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	85-01-8	mg/kg	110	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenol	108-95-2	mg/kg	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Phorate	298-02-2	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pinene	80-56-8	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
p-Phenylenediamine	106-50-3	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Propyzamide	23950-58-	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyrene	129-00-0	mg/kg	500	500	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pyridine	110-86-1	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Safrole	94-59-7	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sulfotep	3689-24-5	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Bolded values indicated detections

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

SS-33 is located offsite of the VRP area and is not included in risk assessment.

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

D = Compounds identified in an analysis at a secondary dilution filter

J = Estimated value

U = Not detected above reporting limit

< = Concentration is less than the reporting limit

* LCS or LCSD exceeds the control limits

-- Not Analyzed

FD = Field Duplicate

ft bgs = feet below ground surface

N = Normal Sample

RRS = Risk Reduction Standard

SO = Soil

SVOC = Semivolatile organic compound

mg/kg = milligrams per kilogram

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-116	SB-117	SB-122	SB-123	SB-123	SB-124	SB-126
				Sample Date	8/21/2014	8/20/2014	8/20/2014	8/19/2014	8/19/2014	8/19/2014	8/21/2014
				Sample Depth (ft bgs)	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
Aroclors											
Aroclor 1016	mg/kg	--	--	--	< 0.04 U	< 0.038 U	< 0.04 U	< 0.041 U	< 0.04 U	< 0.17 U	< 0.038 U
Aroclor 1221	mg/kg	--	--	--	< 0.04 U	< 0.038 U	< 0.04 U	< 0.041 U	< 0.04 U	< 0.17 U	< 0.038 U
Aroclor 1232	mg/kg	--	--	--	< 0.04 U	< 0.038 U	< 0.04 U	< 0.041 U	< 0.04 U	< 0.17 U	< 0.038 U
Aroclor 1242	mg/kg	--	--	--	< 0.04 U	< 0.038 U	< 0.04 U	< 0.041 U	< 0.04 U	< 0.17 U	< 0.038 U
Aroclor 1248	mg/kg	--	--	--	< 0.04 U	< 0.038 U	< 0.04 U	< 0.041 U	< 0.04 U	< 0.17 U	< 0.038 U
Aroclor 1254	mg/kg	1.55	1.55	--	< 0.04 U	**0.1**	**14 E**	**0.098**	**0.17**	**0.2**	**0.26**
Aroclor 1260	mg/kg	1.55	1.55	--	< 0.04 U	< 0.038 U	< 0.04 U	< 0.041 U	< 0.04 U	< 0.17 U	< 0.038 U
Aroclor 1262	mg/kg	--	--	--	< 0.04 U	< 0.038 U	< 0.04 U	< 0.041 U	< 0.04 U	< 0.17 U	< 0.038 U
Aroclor 1268	mg/kg	--	--	--	< 0.04 U	< 0.038 U	< 0.04 U	< 0.041 U	< 0.04 U	< 0.17 U	< 0.038 U
Dioxins and Furans											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.00000003	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	mg/kg	--	--	0.000001	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.0000003	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	mg/kg	--	--	0.000001	--	--	--	--	--	--	--
Heptachlorodibenzofurans	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
Hexachlorodibenzofurans	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
Octachlorodibenzofuran	mg/kg	--	--	3E-10	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	mg/kg	--	--	3E-10	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total	mg/kg	--	--	0.00000003	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	--	--	--	--	--	--	--
Tetrachlorodibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	--	--	--	--	--	--	--
TEQ of dioxins and furans	mg/kg	--	--	--	--	--	--	--	--	--	--
Dioxin-like PCBs											
PCB-105	mg/kg	--	--	3E-11	**0.0018 G**	**0.0012 G**	**0.00083 G**	**0.0026 E**	**0.0033 E**	**0.003 E**	**0.028 E**
PCB-114	mg/kg	--	--	3E-11	**0.000059 G**	**0.000038 G**	**0.000029 G**	< 0.0001 U	< 0.000085 U	**0.00013 G**	**0.0014 G**
PCB-118	mg/kg	--	--	3E-11	**0.0039 G**	**0.0029 E**	**0.0021 G**	**0.0094 E**	**0.011 E**	**0.0069 E**	**0.071 E**
PCB-123	mg/kg	--	--	3E-11	**0.000085 G**	**0.000044 G**	**0.000041 G**	**0.00022 G**	**0.00018 G**	**0.00009 G**	< 0.0011 U
PCB-126	mg/kg	--	--	0.0000001	**0.00013 G**	< 0.000042 U	< 0.000029 U	< 0.00012 U	< 0.0001 U	< 0.000097 U	**0.0022 G**
PCB-156/157	mg/kg	--	--	3E-11	**0.0014 G**	**0.00062 G**	**0.00046**	**0.0026 G**	**0.0027 G**	**0.0018 G**	**0.021 G**
PCB-167	mg/kg	--	--	3E-11	**0.00053 G**	**0.0002 G**	**0.00015 G**	**0.00085 G**	**0.00089 G**	**0.00056 G**	**0.0071 G**
PCB-169	mg/kg	--	--	0.00000003	< 0.000014 U	< 0.0000051 U	< 0.0000055 U	< 0.000021 U	< 0.00002 U	< 0.000018 U	< 0.00011 U
PCB-189	mg/kg	--	--	3E-11	**0.00008**	**0.000022**	**0.000013**	**0.000096**	**0.000097**	**0.000061**	**0.0011**
PCB-77	mg/kg	--	--	1E-10	**0.000052 G**	**0.000066 G**	**0.000045 G**	**0.00013 G**	**0.00013 G**	**0.000074 G**	**0.0026 G**
PCB-81	mg/kg	--	--	3E-10	< 0.0000089 U	< 0.0000035 U	< 0.0000034 U	< 0.000011 U	< 0.000012 U	< 0.0000087 U	< 0.00012 U
TEQ of dioxin-like PCBs	mg/kg	--	--	--	**1.31988E-05**	**1.3872E-07**	**9.939E-08**	**4.0798E-07**	**4.7701E-07**	**3.2963E-07**	**0.000223518**
TEQ of dioxins and furans and dioxin-like PCBs	mg/kg	0.000115	0.00044	--	--	--	--	--	--	--	--
Non-Dioxin-like PCBs											
PCB-1	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	**0.0025**
PCB-10	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-103	mg/kg	--	--	--	< 0.000053 U	< 0.000043 U	< 0.000025 U	< 0.00011 U	< 0.000099 U	< 0.000089 U	< 0.0013 U
PCB-104	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-106	mg/kg	--	--	--	< 0.000051 U	< 0.000038 U	< 0.000023 U	< 0.000099 U	< 0.000087 U	< 0.000079 U	< 0.0011 U
PCB-107	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-107/124	mg/kg	--	--	--	**0.00019**	**0.00012**	**0.000079**	**0.00064 G**	**0.00064 G**	**0.00029 G**	**0.003 G**
PCB-109	mg/kg	--	--	--	**0.00026 G**	**0.00018 G**	**0.00013**	**0.00069 G**	**0.00072 G**	**0.00054 G**	**0.0051 G**
PCB-11	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-110	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-110/115	mg/kg	--	--	--	**0.0056 E**	**0.0036**	**0.0019**	**0.012 E**	**0.014 E**	**0.0089 E**	**0.13 E**
PCB-111	mg/kg	--	--	--	< 0.000042 U	< 0.000032 U	< 0.000023 U	< 0.000084 U	< 0.000073 U	< 0.000066 U	< 0.00096 U
PCB-112	mg/kg	--	--	--	< 0.00004 U	< 0.000033 U	< 0.000023 U	< 0.000087 U	< 0.000076 U	< 0.000069 U	< 0.00099 U
PCB-12	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-115	mg/kg	--	--	--	--	--	**0.0019**	--	--	--	--
PCB-12/13	mg/kg	--	--	--	< 0.000048 U	< 0.000044 U	< 0.000047 U	< 0.000048 U	< 0.000048 U	< 0.000051 U	< 0.00045 U
PCB-120	mg/kg	--	--	--	< 0.000045 U	< 0.000034 U	< 0.000023 U	< 0.000088 U	< 0.000077 U	< 0.00007 U	< 0.001 U
PCB-121	mg/kg	--	--	--	< 0.000042 U	< 0.000032 U	< 0.000023 U	< 0.000085 U	< 0.000075 U	< 0.000067 U	< 0.00097 U
PCB-122	mg/kg	--	--	--	**0.000086 G**	< 0.000039 U	< 0.000023 U	< 0.0001 U	< 0.00009 U	< 0.000081 U	< 0.0012 U
PCB-127	mg/kg	--	--	--	< 0.000051 U	< 0.000037 U	< 0.000023 U	< 0.000098 U	< 0.000086 U	< 0.000078 U	< 0.0011 U
PCB-128	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/162	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/166	mg/kg	--	--	--	**0.0027**	**0.0008**	**0.00071**	**0.0036**	**0.0035**	**0.0023**	**0.035 G**
PCB-129	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163	mg/kg	--	--	--	**0.013 E**	**0.0043**	**0.0038**	**0.018 E**	**0.018 E**	**0.012 E**	**0.16 E**
PCB-130	mg/kg	--	--	--	**0.00083 G**	**0.00028**	**0.00021**	**0.0011 G**	**0.0011 G**	**0.00075 G**	**0.013 G**
PCB-131	mg/kg	--	--	--	**0.00011 G**	**0.000038**	**0.000031**	< 0.000057 U	**0.000092 G**	**0.00013 G**	**0.0024 G**
PCB-132	mg/kg	--	--	--	**0.003 G**	**0.0011**	**0.00069**	**0.004 E**	**0.0041 E**	**0.003 E**	**0.057 E**
PCB-133	mg/kg	--	--	--	**0.00011 G**	**0.000039**	**0.00003**	**0.00015 G**	**0.00015 G**	**0.00011 G**	**0.0019 G**
PCB-134	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-134/143	mg/kg	--	--	--	**0.00049 G**	**0.00019**	**0.00011**	**0.00053 G**	**0.00061 G**	**0.0005 G**	**0.0089 G**
PCB-135	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-135/151	mg/kg	--	--	--	**0.0017**	**0.0007**	**0.00044**	**0.0022 G**	**0.0024 G**	**0.002**	**0.033 G**
PCB-136	mg/kg	--	--	--	**0.0007 G**	**0.00027**	**0.00018**	**0.0007 G**	**0.00065 G**	**0.00077 G**	**0.014 G**
PCB-137	mg/kg	--	--	--	**0.00072 G**	**0.00021**	**0.00023**	**0.001 G**	**0.001 G**	**0.00067 G**	**0.0077 G**
PCB-139	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-139/140	mg/kg	--	--	--	**0.00019**	**0.000065**	**0.000049**	**0.00018**	**0.00018 G**	**0.00021**	**0.0031 G**
PCB-14	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-141	mg/kg	--	--	--	**0.0013 G**	**0.00056**	**0.0004**	**0.0023 G**	**0.0025 E**	**0.0015 G**	**0.02 G**
PCB-142	mg/kg	--	--	--	< 0.000049 U	< 0.000022 U	< 0.000023 U	< 0.000052 U	< 0.000055 U	< 0.000051 U	< 0.00078 U
PCB-144	mg/kg	--	--	--	**0.00024 G**	**0.000099**	**0.000066**	**0.00026 G**	**0.00027 G**	**0.00031 G**	**0.0051 G**
PCB-145	mg/kg	--	--	--	< 0.000031 U	< 0.000022 U	< 0.000023 U	< 0.000036 U	< 0.000038 U	< 0.000036 U	< 0.00054 U
PCB-146	mg/kg	--	--	--	**0.0013 G**	**0.00042**	**0.00034**	**0.0016 G**	**0.0017 G**	**0.0012 G**	**0.019 G**
PCB-147	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-147/149	mg/kg	--	--	--	**0.0047**	**0.002**	**0.0012**	**0.0059 E**	**0.0057 E**	**0.0054 E**	**0.094 E**
PCB-148	mg/kg	--	--	--	< 0.000043 U	< 0.000022 U	< 0.000023 U	< 0.000048 U	< 0.000051 U	< 0.000048 U	< 0.00072 U
PCB-15	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-150	mg/kg	--	--	--	< 0.000029 U	< 0.000022 U	< 0.000023 U	< 0.000033 U	< 0.000035 U	< 0.000033 U	< 0.0005 U
PCB-152	mg/kg	--	--	--	< 0.00003 U	< 0.000022 U	< 0.000023 U	< 0.000035 U	< 0.000037 U	< 0.000035 U	< 0.00053 U
PCB-153	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-153/168	mg/kg	--	--	--	**0.006 E**	**0.0025**	**0.0021**	**0.0094 E**	**0.0097 E**	**0.0069 E**	**0.07 E**
PCB-154	mg/kg	--	--	--	< 0.000039 U	< 0.000022 U	< 0.000023 U	< 0.000042 U	**0.00006 G**	**0.000069 G**	**0.00095 G**
PCB-155	mg/kg	--	--	--	< 0.000036 U	< 0.000022 U	< 0.000023 U	< 0.000037 U	< 0.000044 U	< 0.000034 U	< 0.00051 U
PCB-158	mg/kg	--	--	--	**0.0013 G**	**0.00046**	**0.00036**	**0.0019 G**	**0.0019 G**	**0.0012 G**	**0.018 G**
PCB-159	mg/kg	--	--	--	**0.000037**	< 0.000022 U	< 0.000023 U	**0.00006**	**0.00005**	< 0.000025 U	< 0.00023 U
PCB-16	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-160	mg/kg	--	--	--	< 0.000039 U	< 0.000022 U	< 0.000023 U	< 0.000041 U	< 0.000044 U	< 0.000041 U	< 0.00063 U
PCB-161	mg/kg	--	--	--	< 0.000034 U	< 0.000022 U	< 0.000023 U	< 0.000037 U	< 0.00004 U	< 0.000037 U	< 0.00056 U
PCB-162	mg/kg	--	--	--	**0.000077**	**0.000023**	< 0.000023 U	**0.000098**	**0.000095**	**0.000059**	**0.00038**
PCB-164	mg/kg	--	--	--	**0.00085 G**	**0.00027**	**0.00018**	**0.0011 G**	**0.0011 G**	**0.00074 G**	**0.014 G**
PCB-165	mg/kg	--	--	--	< 0.000039 U	< 0.000022 U	< 0.000023 U	< 0.000043 U	< 0.000046 U	< 0.000043 U	< 0.00065 U
PCB-17	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-170	mg/kg	--	--	--	**0.002**	**0.00053**	**0.00035**	**0.0024 E**	**0.0023**	**0.0014**	**0.026 E**
PCB-171	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-171/173	mg/kg	--	--	--	**0.00055**	**0.00016**	**0.00012**	**0.00068**	**0.00065**	**0.00041**	**0.0074**
PCB-172	mg/kg	--	--	--	**0.00026**	**0.000082**	**0.000054**	**0.00036**	**0.00033**	**0.0002**	**0.0037**
PCB-174	mg/kg	--	--	--	**0.0013**	**0.00046**	**0.0003**	**0.0019**	**0.0018**	**0.001**	**0.018**
PCB-175	mg/kg	--	--	--	**0.000049**	< 0.000022 U	< 0.000023 U	**0.000065**	**0.000064**	**0.000043**	**0.00076**
PCB-176	mg/kg	--	--	--	**0.0001**	**0.000037**	**0.000026**	**0.00012**	**0.00012**	**0.0001**	**0.0017**
PCB-177	mg/kg	--	--	--	**0.00076**	**0.00024**	**0.00019**	**0.001**	**0.00095**	**0.0006**	**0.01**
PCB-178	mg/kg	--	--	--	**0.00015**	**0.00007**	**0.000052**	**0.00026**	**0.00025**	**0.00015**	**0.0025**
PCB-179	mg/kg	--	--	--	**0.00027**	**0.00013**	**0.000087**	**0.0005**	**0.00046**	**0.00029**	**0.0046**
PCB-18	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-18/30	mg/kg	--	--	--	< 0.000048 U	< 0.000044 U	< 0.000047 U	< 0.000048 U	< 0.000048 U	< 0.000051 U	< 0.00045 U
PCB-180	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-180/193	mg/kg	--	--	--	**0.0028**	**0.00087**	**0.00057**	**0.004**	**0.0038**	**0.0021**	**0.036**
PCB-181	mg/kg	--	--	--	**0.000037**	< 0.000022 U	< 0.000023 U	**0.000041**	**0.000042**	**0.000027**	**0.00047**
PCB-182	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-183	mg/kg	--	--	--	**0.00067**	**0.00021**	**0.00016**	**0.00084**	**0.0008**	**0.0005**	**0.0084**
PCB-184	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-185	mg/kg	--	--	--	**0.00007**	**0.000037**	< 0.000023 U	**0.000082**	**0.0001**	**0.000069**	**0.0016**
PCB-186	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-187	mg/kg	--	--	--	**0.00093**	**0.00041**	**0.0003**	**0.0016**	**0.0014**	**0.00089**	**0.014**

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-116	SB-117	SB-122	SB-123	SB-123	SB-124	SB-126
				Sample Date	8/21/2014	8/20/2014	8/20/2014	8/19/2014	8/19/2014	8/19/2014	8/21/2014
				Sample Depth (ft bgs)	0 - 1	0 - 1	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
PCB-188	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-19	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-190	mg/kg	--	--	--	**0.00034**	**0.0001**	**0.000057**	**0.00045**	**0.00042**	**0.00024**	**0.0039**
PCB-191	mg/kg	--	--	--	**0.000079**	< 0.000022 U	< 0.000023 U	**0.000097**	**0.000093**	**0.000052**	**0.001**
PCB-192	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-194	mg/kg	--	--	--	**0.00032**	**0.00015**	**0.000061**	**0.00067**	**0.00061**	**0.0003**	**0.0065**
PCB-195	mg/kg	--	--	--	**0.00011**	**0.000046**	**0.000023**	**0.00021**	**0.00018**	**0.000094**	**0.0019**
PCB-196	mg/kg	--	--	--	**0.00016**	**0.000079**	**0.000035**	**0.00036**	**0.00032**	**0.00015**	**0.0034**
PCB-197	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-198	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-198/199	mg/kg	--	--	--	**0.0003**	**0.00019**	**0.000084**	**0.00075**	**0.00063**	**0.00031**	**0.0069**
PCB-2	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	**0.00088**
PCB-20	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-20/28	mg/kg	--	--	--	< 0.000048 U	< 0.000044 U	< 0.000047 U	< 0.000048 U	< 0.000048 U	< 0.000051 U	< 0.00045 U
PCB-200	mg/kg	--	--	--	**0.000035**	**0.000024**	< 0.000023 U	**0.0001**	**0.000086**	**0.000041**	**0.00089**
PCB-201	mg/kg	--	--	--	**0.000032**	**0.000022**	< 0.000023 U	**0.000085**	**0.00007**	**0.000036**	**0.00074**
PCB-202	mg/kg	--	--	--	**0.000041**	**0.000045**	< 0.000023 U	**0.00013**	**0.00012**	**0.000059**	**0.0011**
PCB-203	mg/kg	--	--	--	**0.0002**	**0.00012**	**0.000049**	**0.0005**	**0.00043**	**0.00021**	**0.0045**
PCB-204	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-205	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	**0.000039**	**0.000036**	< 0.000025 U	**0.00039**
PCB-206	mg/kg	--	--	--	**0.00013**	**0.000075**	**0.000044**	**0.00037**	**0.00027**	**0.00016**	**0.0037**
PCB-207	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	**0.000044**	**0.000032**	< 0.000025 U	**0.00037**
PCB-208	mg/kg	--	--	--	**0.000027**	**0.000024**	< 0.000023 U	**0.00008**	**0.00006**	**0.000046**	**0.00077**
PCB-21	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-21/33	mg/kg	--	--	--	< 0.000048 U	< 0.000044 U	< 0.000047 U	< 0.000048 U	< 0.000048 U	< 0.000051 U	< 0.00045 U
PCB-22	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-23	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-24	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-25	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-26	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-26/29	mg/kg	--	--	--	< 0.000048 U	< 0.000044 U	< 0.000047 U	< 0.000048 U	< 0.000048 U	< 0.000051 U	< 0.00045 U
PCB-27	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-3	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	**0.00026**
PCB-31	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	**0.000025**	< 0.000025 U	**0.0005**
PCB-32	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-34	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-35	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-36	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-37	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-38	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-39	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-4	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000027 U	< 0.000025 U	< 0.00023 U
PCB-40	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-40/71	mg/kg	--	--	--	< 0.000048 U	< 0.000044 U	< 0.000047 U	**0.000056**	**0.000056**	**0.00006**	**0.0012**
PCB-41	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-42	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	**0.000024**	**0.000026**	< 0.000025 U	**0.00042**
PCB-43	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-44	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65	mg/kg	--	--	--	**0.00017**	**0.00023**	**0.00015**	**0.00034**	**0.00038**	**0.00041**	**0.0075**
PCB-45	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-46	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-48	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	**0.00025**
PCB-49	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-49/69	mg/kg	--	--	--	**0.00008**	**0.00015**	**0.000082**	**0.00018**	**0.0002**	**0.00022**	**0.0032**
PCB-5	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-50	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-50/53	mg/kg	--	--	--	< 0.000048 U	< 0.000044 U	< 0.000047 U	< 0.000048 U	< 0.000048 U	< 0.000051 U	< 0.00045 U
PCB-51	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-52	mg/kg	--	--	--	**0.0006**	**0.00085**	**0.00055**	**0.0014**	**0.0015**	**0.0015**	**0.024 E**
PCB-54	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-55	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-56	mg/kg	--	--	--	**0.000082**	**0.000066**	**0.000044**	**0.00013**	**0.00018**	**0.00015**	**0.002**
PCB-57	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-58	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	**0.000025**	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-59	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75	mg/kg	--	--	--	< 0.000072 U	< 0.000066 U	< 0.00007 U	< 0.000072 U	< 0.000072 U	< 0.000076 U	< 0.00068 U
PCB-6	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-60	mg/kg	--	--	--	< 0.000024 U	**0.000022**	< 0.000023 U	**0.000039**	**0.000037**	**0.000051**	**0.00065**
PCB-61	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76	mg/kg	--	--	--	**0.00064**	**0.00062**	**0.00056**	**0.0016**	**0.002**	**0.0014**	**0.02**
PCB-63	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-64	mg/kg	--	--	--	**0.000064**	**0.000052**	**0.000052**	**0.00014**	**0.00012**	**0.00017**	**0.0023**
PCB-66	mg/kg	--	--	--	**0.00013**	**0.0002**	**0.00015**	**0.0004**	**0.0005**	**0.0004**	**0.005**
PCB-67	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-68	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-7	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-72	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-73	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-78	mg/kg	--	--	--	**0.000027**	< 0.000022 U	< 0.000023 U	**0.000041**	**0.000043**	**0.000044**	< 0.00023 U
PCB-79	mg/kg	--	--	--	**0.000046**	< 0.000022 U	**0.000024**	< 0.000024 U	< 0.000024 U	< 0.000025 U	**0.0011**
PCB-8	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-80	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-82	mg/kg	--	--	--	**0.00036 G**	**0.00028 G**	**0.00014 G**	**0.00065 G**	**0.00095 G**	**0.00059 G**	**0.0086 G**
PCB-83	mg/kg	--	--	--	**0.000099 G**	< 0.000059 U	< 0.000034 U	**0.0002**	**0.00028 G**	**0.00018 G**	**0.004 G**
PCB-84	mg/kg	--	--	--	**0.0006 G**	**0.0005 G**	**0.00034 G**	**0.00084 G**	**0.00091 G**	**0.001 G**	**0.022 G**
PCB-85	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117	mg/kg	--	--	--	**0.00077**	**0.0005**	**0.00033**	**0.0012 G**	**0.0012 G**	**0.0014 G**	**0.011 G**
PCB-86	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125	mg/kg	--	--	--	**0.0018**	**0.0017**	**0.001**	**0.004**	**0.0046**	**0.0036**	**0.049**
PCB-88	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-88/91	mg/kg	--	--	--	**0.00038 G**	**0.00027 G**	**0.00016**	**0.00037 G**	**0.00035 G**	**0.00061 G**	**0.011 G**
PCB-89	mg/kg	--	--	--	< 0.000064 U	< 0.000051 U	< 0.000029 U	< 0.00013 U	< 0.00012 U	< 0.00011 U	< 0.0015 U
PCB-9	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	< 0.00023 U
PCB-90	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113	mg/kg	--	--	--	**0.0025**	**0.0027**	**0.0015**	**0.0059 G**	**0.0072 G**	**0.0053 G**	**0.069 E**
PCB-92	mg/kg	--	--	--	**0.0005 G**	**0.00051 G**	**0.00029 G**	**0.0014 G**	**0.0016 G**	**0.0012 G**	**0.014 G**
PCB-93	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-93/100	mg/kg	--	--	--	< 0.000057 U	< 0.000046 U	< 0.000047 U	< 0.00012 U	< 0.00011 U	< 0.000095 U	< 0.0014 U
PCB-94	mg/kg	--	--	--	< 0.000061 U	< 0.000048 U	< 0.000028 U	< 0.00013 U	< 0.00011 U	< 0.0001 U	< 0.0014 U
PCB-95	mg/kg	--	--	--	**0.0018 G**	**0.0018 G**	**0.001 G**	**0.0034 E**	**0.0033 E**	**0.0037 E**	**0.063 E**
PCB-96	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000025 U	**0.00033**
PCB-98	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-98/102	mg/kg	--	--	--	< 0.000053 U	< 0.000044 U	< 0.000047 U	< 0.00011 U	< 0.000096 U	< 0.000087 U	**0.0013 G**
PCB-99	mg/kg	--	--	--	**0.0017 G**	**0.0013 G**	**0.00074 G**	**0.0021 G**	**0.0023 G**	**0.0032 E**	**0.027 E**
PCB-209 (Decachlorobiphenyl)	mg/kg	--	--	--	< 0.000024 U	< 0.000022 U	**0.000028**	**0.000032**	< 0.000024 U	**0.00009**	**0.00031**
Total Non-Dioxin-like PCBs	mg/kg	1.55	4.4	--	**0.069558**	**0.034085**	**0.024834**	**0.109583**	**0.114397**	**0.0843**	**1.23871**

Notes:

Bolded values indicated detections

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS]

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs,
both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

< = Concentration is less than the reporting limit

-- Not Analyzed / No Standard

ft bgs = feet below ground surface

RRS = Risk Reduction Standard

TEF = Toxic Equivalency Factor

TEQ = Toxic Equivalency

mg/kg = milligrams per kilogram

TEQ of Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxin-like PCBs.

TEQ of Dioxins and Furans and Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxins and furans and dioxin-like PCBs

Qualifiers:

U = Not detected above reporting limit

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.

q - The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion ratio. qualitative identification criteria and indicates a possible interference.

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-128	SB-129	SB-129	SB-130	SB-131	SB-132	SB-133
				Sample Date	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/19/2014
				Sample Depth (ft bgs)	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 1
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
Aroclors											
Aroclor 1016	mg/kg	--	--	--	< 0.038 U	< 0.037 U	< 0.036 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.041 U
Aroclor 1221	mg/kg	--	--	--	< 0.038 U	< 0.037 U	< 0.036 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.041 U
Aroclor 1232	mg/kg	--	--	--	< 0.038 U	< 0.037 U	< 0.036 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.041 U
Aroclor 1242	mg/kg	--	--	--	< 0.038 U	< 0.037 U	< 0.036 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.041 U
Aroclor 1248	mg/kg	--	--	--	< 0.038 U	< 0.037 U	< 0.036 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.041 U
Aroclor 1254	mg/kg	1.55	1.55	--	**0.15**	< 0.037 U	< 0.036 U	**0.21**	**0.29**	**0.34**	**0.21**
Aroclor 1260	mg/kg	1.55	1.55	--	< 0.038 U	< 0.037 U	< 0.036 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.041 U
Aroclor 1262	mg/kg	--	--	--	< 0.038 U	< 0.037 U	< 0.036 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.041 U
Aroclor 1268	mg/kg	--	--	--	< 0.038 U	< 0.037 U	< 0.036 U	< 0.036 U	< 0.038 U	< 0.038 U	< 0.041 U
Dioxins and Furans											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.00000003	--	--	--	--	--	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	mg/kg	--	--	0.000001	--	--	--	--	--	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
2,3,4,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.0000003	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	mg/kg	--	--	0.000001	--	--	--	--	--	--	--
Heptachlorodibenzofurans	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
Heptachlorodibenzo-p-dioxins	mg/kg	--	--	0.00000001	--	--	--	--	--	--	--
Hexachlorodibenzofurans	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
Hexachlorodibenzo-p-dioxins	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
Octachlorodibenzofuran	mg/kg	--	--	3E-10	--	--	--	--	--	--	--
Octachlorodibenzo-p-dioxin	mg/kg	--	--	3E-10	--	--	--	--	--	--	--
Pentachlorodibenzofurans, Total	mg/kg	--	--	0.00000003	--	--	--	--	--	--	--
Pentachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	--	--	--	--	--	--	--
Tetrachlorodibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	--
Tetrachlorodibenzofurans, Total	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	--	--	--	--	--	--	--
TEQ of dioxins and furans	mg/kg	--	--	--	--	--	--	--	--	--	--
Dioxin-like PCBs											
PCB-105	mg/kg	--	--	3E-11	**0.0086 E**	**0.000019**	**0.00001**	**0.0062 E**	**0.0043 E**	**0.004 E**	**0.002 G**
PCB-114	mg/kg	--	--	3E-11	**0.00035 G**	< 0.0000022 U	< 0.0000021 U	**0.00022 G**	**0.0002 G**	**0.00014 G**	< 0.000059 U
PCB-118	mg/kg	--	--	3E-11	**0.019 E**	**0.000046**	**0.000029**	**0.015 E**	**0.01 E**	**0.0093 E**	**0.0046 G**
PCB-123	mg/kg	--	--	3E-11	**0.00022 G**	< 0.0000022 U	< 0.0000021 U	**0.0002 G**	**0.00017 G**	**0.00011 G**	**0.000086 G**
PCB-126	mg/kg	--	--	0.0000001	**0.00051 G**	**0.0000037**	< 0.0000021 U	**0.00034 G**	**0.00016 G**	**0.00018 G**	**0.00011 G**
PCB-156/157	mg/kg	--	--	3E-11	**0.0037 G**	**0.000024**	**0.000012**	**0.004 G**	**0.0019 G**	**0.0035 G**	**0.0013 G**
PCB-167	mg/kg	--	--	3E-11	**0.0012 G**	**0.000011**	**0.0000043**	**0.0013 G**	**0.00059 G**	**0.001 G**	**0.00042 G**
PCB-169	mg/kg	--	--	0.00000003	< 0.000018 U	< 0.0000022 U	< 0.0000021 U	< 0.000022 U	< 0.000014 U	< 0.000017 U	< 0.000012 U
PCB-189	mg/kg	--	--	3E-11	**0.00012**	**0.0000029**	< 0.0000021 U	**0.00016**	**0.000073**	**0.00016**	**0.000063**
PCB-77	mg/kg	--	--	1E-10	**0.0016 G**	< 0.0000022 U	< 0.0000021 U	**0.00027 G**	**0.00013 G**	**0.000076 G**	**0.000055 G**
PCB-81	mg/kg	--	--	3E-10	< 0.000033 U	< 0.0000022 U	< 0.0000021 U	**0.000055 G**	< 0.000015 U	< 0.0000077 U	< 0.0000073 U
TEQ of dioxin-like PCBs	mg/kg	--	--	--	**5.20447E-05**	**3.72367E-07**	**1.299E-09**	**3.47359E-05**	**1.6473E-05**	**1.84489E-05**	**1.12206E-05**
TEQ of dioxins and furans and dioxin-like PCBs	mg/kg	0.000115	0.00044	--	--	--	--	--	--	--	--
Non-Dioxin-like PCBs											
PCB-1	mg/kg	--	--	--	**0.0043 E**	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-10	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-103	mg/kg	--	--	--	< 0.00015 U	< 0.000022 U	< 0.000021 U	< 0.00018 U	< 0.00012 U	< 0.00012 U	< 0.000062 U
PCB-104	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-106	mg/kg	--	--	--	< 0.00013 U	< 0.000022 U	< 0.000021 U	< 0.00016 U	< 0.00011 U	< 0.00011 U	< 0.00006 U
PCB-107	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-107/124	mg/kg	--	--	--	**0.00063 G**	< 0.000043 U	< 0.000042 U	**0.00071 G**	**0.00047 G**	**0.00041 G**	**0.00018 G**
PCB-109	mg/kg	--	--	--	**0.0012 G**	< 0.000022 U	< 0.000021 U	**0.0012 G**	**0.00072 G**	**0.0008 G**	**0.00031 G**
PCB-11	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-110	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-110/115	mg/kg	--	--	--	**0.018 E**	**0.00012**	**0.00006**	**0.026 E**	**0.015 E**	**0.019 E**	**0.0079 G**
PCB-111	mg/kg	--	--	--	< 0.00011 U	< 0.000022 U	< 0.000021 U	< 0.00013 U	< 0.000092 U	< 0.000092 U	< 0.000049 U
PCB-112	mg/kg	--	--	--	< 0.00012 U	< 0.000022 U	< 0.000021 U	< 0.00014 U	< 0.000096 U	< 0.000095 U	< 0.000047 U
PCB-12	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-115	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-12/13	mg/kg	--	--	--	< 0.000046 U	< 0.000043 U	< 0.000042 U	< 0.000043 U	< 0.000045 U	< 0.000045 U	< 0.00005 U
PCB-120	mg/kg	--	--	--	< 0.00012 U	< 0.000022 U	< 0.000021 U	< 0.00014 U	< 0.000097 U	< 0.000096 U	< 0.000052 U
PCB-121	mg/kg	--	--	--	< 0.00012 U	< 0.000022 U	< 0.000021 U	< 0.00013 U	< 0.000094 U	< 0.000093 U	< 0.000049 U
PCB-122	mg/kg	--	--	--	**0.00023 G**	< 0.000022 U	< 0.000021 U	< 0.00016 U	**0.00016 G**	< 0.00011 U	< 0.000062 U
PCB-127	mg/kg	--	--	--	< 0.00013 U	< 0.000022 U	< 0.000021 U	< 0.00015 U	< 0.00011 U	< 0.00011 U	< 0.00006 U
PCB-128	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/162	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/166	mg/kg	--	--	--	**0.0045 G**	**0.000061**	< 0.000042 U	**0.0059 E**	**0.0025**	**0.0041 G**	**0.0018**
PCB-129	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163	mg/kg	--	--	--	**0.024 E**	**0.00029**	**0.000099**	**0.03 E**	**0.014 E**	**0.022 E**	**0.0095 E**
PCB-130	mg/kg	--	--	--	**0.0015 G**	< 0.000022 U	< 0.000021 U	**0.0021 G**	**0.0009 G**	**0.0014 G**	**0.00069 G**
PCB-131	mg/kg	--	--	--	**0.00027 G**	< 0.000022 U	< 0.000021 U	**0.00043 G**	**0.00018 G**	**0.00029 G**	**0.00012 G**
PCB-132	mg/kg	--	--	--	**0.0061 E**	**0.00005**	**0.000024**	**0.0093 E**	**0.0042 E**	**0.0062 E**	**0.0027 E**
PCB-133	mg/kg	--	--	--	**0.00023 G**	< 0.000022 U	< 0.000021 U	**0.00031 G**	**0.00012 G**	**0.0002 G**	**0.000096**
PCB-134	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-134/143	mg/kg	--	--	--	**0.00092 G**	< 0.000043 U	< 0.000042 U	**0.0015 G**	**0.00068**	**0.001 G**	**0.00046**
PCB-135	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-135/151	mg/kg	--	--	--	**0.0036 G**	< 0.000043 U	< 0.000042 U	**0.0059 E**	**0.0025**	**0.0035 G**	**0.0016**
PCB-136	mg/kg	--	--	--	**0.0018 G**	< 0.000022 U	< 0.000021 U	**0.0025 E**	**0.0011**	**0.0015 G**	**0.00068**
PCB-137	mg/kg	--	--	--	**0.0014 G**	< 0.000022 U	< 0.000021 U	**0.0018 G**	**0.00079 G**	**0.0012 G**	**0.00053**
PCB-139	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-139/140	mg/kg	--	--	--	**0.00042 G**	< 0.000043 U	< 0.000042 U	**0.00054 G**	**0.00022**	**0.00035 G**	**0.00016**
PCB-14	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-141	mg/kg	--	--	--	**0.0027 E**	< 0.000022 U	< 0.000021 U	**0.0042 E**	**0.0021 G**	**0.0029 E**	**0.0013**
PCB-142	mg/kg	--	--	--	< 0.000082 U	< 0.000022 U	< 0.000021 U	< 0.000076 U	< 0.000033 U	< 0.000083 U	< 0.000025 U
PCB-144	mg/kg	--	--	--	**0.00055 G**	< 0.000022 U	< 0.000021 U	**0.00028 G**	**0.00042 G**	**0.00056 G**	**0.00024**
PCB-145	mg/kg	--	--	--	< 0.000057 U	< 0.000022 U	< 0.000021 U	< 0.000052 U	< 0.000023 U	< 0.000058 U	< 0.000025 U
PCB-146	mg/kg	--	--	--	**0.0025 E**	**0.000035**	< 0.000021 U	**0.0032 E**	**0.0013 G**	**0.0021 G**	**0.001**
PCB-147	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-147/149	mg/kg	--	--	--	**0.011 E**	**0.0001**	**0.000046**	**0.016 E**	**0.0072 E**	**0.01 E**	**0.0045**
PCB-148	mg/kg	--	--	--	< 0.000076 U	< 0.000022 U	< 0.000021 U	< 0.00007 U	< 0.00003 U	< 0.000077 U	< 0.000025 U
PCB-15	mg/kg	--	--	--	**0.000023**	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-150	mg/kg	--	--	--	< 0.000052 U	< 0.000022 U	< 0.000021 U	< 0.000048 U	< 0.000023 U	< 0.000053 U	< 0.000025 U
PCB-152	mg/kg	--	--	--	< 0.000055 U	< 0.000022 U	< 0.000021 U	< 0.000051 U	< 0.000023 U	< 0.000056 U	< 0.000025 U
PCB-153	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-153/168	mg/kg	--	--	--	**0.013 E**	**0.0001**	**0.000047**	**0.016 E**	**0.0077 E**	**0.012 E**	**0.0049**
PCB-154	mg/kg	--	--	--	< 0.000067 U	< 0.000022 U	< 0.000021 U	**0.00013 G**	**0.000065 G**	**0.0001 G**	< 0.000025 U
PCB-155	mg/kg	--	--	--	< 0.00004 U	< 0.000022 U	< 0.000021 U	< 0.000048 U	< 0.000023 U	< 0.000051 U	< 0.000025 U
PCB-158	mg/kg	--	--	--	**0.0024 E**	**0.000026**	< 0.000021 U	**0.0033 E**	**0.0015**	**0.0024 E**	**0.001**
PCB-159	mg/kg	--	--	--	**0.000051**	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	**0.00003**
PCB-16	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	**0.000053**	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-160	mg/kg	--	--	--	< 0.000066 U	< 0.000022 U	< 0.000021 U	< 0.000061 U	< 0.000026 U	< 0.000067 U	< 0.000025 U
PCB-161	mg/kg	--	--	--	< 0.000059 U	< 0.000022 U	< 0.000021 U	< 0.000054 U	< 0.000023 U	< 0.00006 U	< 0.000025 U
PCB-162	mg/kg	--	--	--	**0.00012**	< 0.000022 U	< 0.000021 U	**0.000024**	< 0.000023 U	**0.000033**	**0.000058**
PCB-164	mg/kg	--	--	--	**0.0013 G**	**0.000028**	< 0.000021 U	**0.002 G**	**0.00084 G**	**0.0014 G**	**0.00067**
PCB-165	mg/kg	--	--	--	< 0.000068 U	< 0.000022 U	< 0.000021 U	< 0.000063 U	< 0.000027 U	< 0.000069 U	< 0.000025 U
PCB-17	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	**0.000044**	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-170	mg/kg	--	--	--	**0.0026 E**	**0.00013**	**0.000022**	**0.004 E**	**0.0018**	**0.0032 E**	**0.0014**
PCB-171	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-171/173	mg/kg	--	--	--	**0.00079**	< 0.000043 U	< 0.000042 U	**0.0013**	**0.00054**	**0.00092**	**0.00042**
PCB-172	mg/kg	--	--	--	**0.00035**	< 0.000022 U	< 0.000021 U	**0.00063**	**0.00026**	**0.00045**	**0.00021**
PCB-174	mg/kg	--	--	--	**0.0018**	**0.0001**	< 0.000021 U	**0.0037 E**	**0.0015**	**0.0023 E**	**0.0011**
PCB-175	mg/kg	--	--	--	**0.000077**	< 0.000022 U	< 0.000021 U	**0.00015**	**0.000056**	**0.000088**	**0.000042**
PCB-176	mg/kg	--	--	--	**0.00017**	< 0.000022 U	< 0.000021 U	**0.00038**	**0.00015**	**0.0002**	**0.000095**
PCB-177	mg/kg	--	--	--	**0.0011**	**0.000063**	< 0.000021 U	**0.0021**	**0.00081**	**0.0014**	**0.00064**
PCB-178	mg/kg	--	--	--	**0.00026**	< 0.000022 U	< 0.000021 U	**0.00052**	**0.0002**	**0.00032**	**0.00015**
PCB-179	mg/kg	--	--	--	**0.00051**	< 0.000022 U	< 0.000021 U	**0.0011**	**0.00043**	**0.0006**	**0.00029**
PCB-18	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-18/30	mg/kg	--	--	--	< 0.000046 U	< 0.000043 U	< 0.000042 U	**0.00011**	< 0.000045 U	< 0.000045 U	< 0.00005 U
PCB-180	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-180/193	mg/kg	--	--	--	**0.0038**	**0.00025**	< 0.000042 U	**0.0068 E**	**0.0029**	**0.0048 E**	**0.0022**
PCB-181	mg/kg	--	--	--	**0.000053**	< 0.000022 U	< 0.000021 U	**0.000075**	**0.00003**	**0.000058**	**0.000025**
PCB-182	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-183	mg/kg	--	--	--	**0.00088**	**0.000026**	< 0.000021 U	**0.0016**	**0.00068**	**0.001**	**0.00053**
PCB-184	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-185	mg/kg	--	--	--	**0.00015**	< 0.000022 U	< 0.000021 U	**0.00037**	**0.00013**	**0.00022**	**0.000093**
PCB-186	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-187	mg/kg	--	--	--	**0.0014**	**0.000084**	< 0.000021 U	**0.003 E**	**0.0012**	**0.0019**	**0.00093**

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-128	SB-129	SB-129	SB-130	SB-131	SB-132	SB-133
				Sample Date	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	8/19/2014
				Sample Depth (ft bgs)	0 - 1	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1	0 - 1
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
PCB-188	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-19	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-190	mg/kg	--	--	--	**0.00041**	< 0.000022 U	< 0.000021 U	**0.00072**	**0.00032**	**0.00058**	**0.00024**
PCB-191	mg/kg	--	--	--	**0.000083**	< 0.000022 U	< 0.000021 U	**0.00016**	**0.000072**	**0.00013**	**0.000061**
PCB-192	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-194	mg/kg	--	--	--	**0.00041**	**0.000061**	< 0.000021 U	**0.00075**	**0.0004**	**0.00065**	**0.0003**
PCB-195	mg/kg	--	--	--	**0.00014**	< 0.000022 U	< 0.000021 U	**0.0003**	**0.00013**	**0.00023**	**0.00011**
PCB-196	mg/kg	--	--	--	**0.00021**	**0.000024**	< 0.000021 U	**0.00052**	**0.00021**	**0.00036**	**0.00017**
PCB-197	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	**0.000033**	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-198	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-198/199	mg/kg	--	--	--	**0.00046**	**0.000073**	< 0.000042 U	**0.0011**	**0.0004**	**0.00079**	**0.0004**
PCB-2	mg/kg	--	--	--	**0.0035 E**	< 0.000022 U	**0.000039**	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-20	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-20/28	mg/kg	--	--	--	**0.000071**	< 0.000043 U	< 0.000042 U	**0.000044**	**0.000059**	< 0.000045 U	< 0.00005 U
PCB-200	mg/kg	--	--	--	**0.000053**	< 0.000022 U	< 0.000021 U	**0.00016**	**0.00006**	**0.0001**	**0.000044**
PCB-201	mg/kg	--	--	--	**0.00005**	< 0.000022 U	< 0.000021 U	**0.00014**	**0.00005**	**0.000087**	**0.000041**
PCB-202	mg/kg	--	--	--	**0.000064**	< 0.000022 U	< 0.000021 U	**0.00016**	**0.000067**	**0.00013**	**0.000062**
PCB-203	mg/kg	--	--	--	**0.00026**	**0.000042**	< 0.000021 U	**0.00064**	**0.00025**	**0.0005**	**0.00025**
PCB-204	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-205	mg/kg	--	--	--	**0.000026**	< 0.000022 U	< 0.000021 U	**0.000047**	**0.000024**	**0.000044**	< 0.000025 U
PCB-206	mg/kg	--	--	--	**0.00017**	**0.000087**	< 0.000021 U	**0.00031**	**0.00011**	**0.0004**	**0.00025**
PCB-207	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	**0.000039**	< 0.000023 U	**0.000046**	**0.000026**
PCB-208	mg/kg	--	--	--	**0.000042**	**0.000037**	< 0.000021 U	**0.000076**	**0.000024**	**0.0001**	**0.000076**
PCB-21	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-21/33	mg/kg	--	--	--	< 0.000046 U	< 0.000043 U	< 0.000042 U	< 0.000043 U	**0.0001**	< 0.000045 U	< 0.00005 U
PCB-22	mg/kg	--	--	--	**0.000023**	< 0.000022 U	< 0.000021 U	**0.000058**	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-23	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-24	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-25	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-26	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-26/29	mg/kg	--	--	--	< 0.000046 U	< 0.000043 U	< 0.000042 U	< 0.000043 U	< 0.000045 U	< 0.000045 U	< 0.00005 U
PCB-27	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-3	mg/kg	--	--	--	**0.00077**	< 0.000022 U	**0.000031**	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-31	mg/kg	--	--	--	**0.00015**	< 0.000022 U	< 0.000021 U	< 0.000022 U	**0.000084**	< 0.000023 U	**0.000026**
PCB-32	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	**0.00003**	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-34	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-35	mg/kg	--	--	--	**0.000023**	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-36	mg/kg	--	--	--	**0.000026**	< 0.000022 U	< 0.000021 U	**0.000039**	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-37	mg/kg	--	--	--	**0.00012**	< 0.000022 U	< 0.000021 U	< 0.000037 U	**0.000029**	< 0.000023 U	< 0.000025 U
PCB-38	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-39	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	**0.000094**	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-4	mg/kg	--	--	--	**0.000033**	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-40	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-40/71	mg/kg	--	--	--	**0.00034**	< 0.000043 U	< 0.000042 U	< 0.000043 U	**0.00027**	**0.00015**	**0.000065**
PCB-41	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-42	mg/kg	--	--	--	**0.00015**	< 0.000022 U	< 0.000021 U	**0.00012**	**0.00011**	**0.000048**	**0.00003**
PCB-43	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	**0.000023**	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-44	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65	mg/kg	--	--	--	**0.0024**	< 0.000065 U	< 0.000064 U	**0.0016**	**0.0015**	**0.00075**	**0.00041**
PCB-45	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	**0.000041**	**0.000023**	< 0.000025 U
PCB-46	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-48	mg/kg	--	--	--	**0.000079**	< 0.000022 U	< 0.000021 U	**0.000082**	**0.000061**	< 0.000023 U	< 0.000025 U
PCB-49	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-49/69	mg/kg	--	--	--	**0.0012**	< 0.000043 U	< 0.000042 U	**0.00081**	**0.0007**	**0.00027**	**0.0002**
PCB-5	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-50	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-50/53	mg/kg	--	--	--	**0.000098**	< 0.000043 U	< 0.000042 U	< 0.000043 U	**0.000081**	**0.000063**	< 0.00005 U
PCB-51	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-52	mg/kg	--	--	--	**0.0071 E**	< 0.000022 U	< 0.000021 U	**0.0052 E**	**0.0042 E**	**0.0031 E**	**0.0013**
PCB-54	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-55	mg/kg	--	--	--	< 0.000025 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-56	mg/kg	--	--	--	**0.00074 G**	< 0.000022 U	< 0.000021 U	**0.00042**	**0.00044**	**0.0002**	**0.00012**
PCB-57	mg/kg	--	--	--	< 0.000028 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	**0.0001**
PCB-58	mg/kg	--	--	--	**0.00018 G**	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-59	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75	mg/kg	--	--	--	< 0.000069 U	< 0.000065 U	< 0.000064 U	< 0.000065 U	< 0.000068 U	< 0.000068 U	< 0.000075 U
PCB-6	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-60	mg/kg	--	--	--	**0.00027 G**	< 0.000022 U	< 0.000021 U	**0.00016**	**0.00018**	**0.000064**	**0.000044**
PCB-61	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76	mg/kg	--	--	--	**0.0079**	< 0.000087 U	< 0.000085 U	**0.0028**	**0.004**	**0.0017**	**0.0011**
PCB-63	mg/kg	--	--	--	< 0.000026 U	< 0.000022 U	< 0.000021 U	**0.00003**	**0.000036**	< 0.000023 U	< 0.000025 U
PCB-64	mg/kg	--	--	--	**0.00065**	< 0.000022 U	< 0.000021 U	< 0.000022 U	**0.00049**	**0.00038**	**0.00015**
PCB-66	mg/kg	--	--	--	**0.0022 G**	< 0.000022 U	< 0.000021 U	**0.0011**	**0.0012**	**0.00047**	**0.00032**
PCB-67	mg/kg	--	--	--	< 0.000025 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-68	mg/kg	--	--	--	< 0.000025 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-7	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-72	mg/kg	--	--	--	< 0.000026 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-73	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-78	mg/kg	--	--	--	**0.000055 G**	< 0.000022 U	< 0.000021 U	**0.000084**	< 0.000023 U	< 0.000023 U	**0.000028**
PCB-79	mg/kg	--	--	--	**0.00023 G**	< 0.000022 U	< 0.000021 U	**0.00026**	**0.0002**	**0.00016**	**0.000069**
PCB-8	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-80	mg/kg	--	--	--	< 0.000025 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-82	mg/kg	--	--	--	**0.0019 G**	< 0.000022 U	< 0.000021 U	**0.0015 G**	**0.0013 G**	**0.0014 G**	**0.00053 G**
PCB-83	mg/kg	--	--	--	**0.00077 G**	< 0.000022 U	< 0.000021 U	**0.00065 G**	**0.00032 G**	**0.00047 G**	**0.0002 G**
PCB-84	mg/kg	--	--	--	**0.0037 E**	< 0.000022 U	< 0.000021 U	**0.0026 E**	**0.0027 E**	**0.0031 E**	**0.0011 G**
PCB-85	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117	mg/kg	--	--	--	**0.0028 G**	< 0.000065 U	< 0.000064 U	**0.0026 G**	**0.0018 G**	**0.0019 G**	**0.00087**
PCB-86	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125	mg/kg	--	--	--	**0.01**	< 0.00013 U	< 0.00013 U	**0.011 G**	**0.0074**	**0.007**	**0.0029**
PCB-88	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-88/91	mg/kg	--	--	--	**0.0017 G**	< 0.000043 U	< 0.000042 U	**0.0017 G**	**0.0013 G**	**0.0014 G**	**0.00059 G**
PCB-89	mg/kg	--	--	--	< 0.00018 U	< 0.000022 U	< 0.000021 U	< 0.00021 U	< 0.00015 U	< 0.00015 U	< 0.000075 U
PCB-9	mg/kg	--	--	--	< 0.000023 U	< 0.000022 U	< 0.000021 U	< 0.000022 U	< 0.000023 U	< 0.000023 U	< 0.000025 U
PCB-90	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113	mg/kg	--	--	--	**0.014 E**	< 0.000065 U	< 0.000064 U	**0.015 E**	**0.01 E**	**0.0097 E**	**0.0043**
PCB-92	mg/kg	--	--	--	**0.0024 E**	< 0.000022 U	< 0.000021 U	**0.0019 G**	**0.002 G**	**0.0022 G**	**0.00092 G**
PCB-93	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-93/100	mg/kg	--	--	--	< 0.00016 U	< 0.000043 U	< 0.000042 U	< 0.00019 U	< 0.00013 U	< 0.00013 U	< 0.000067 U
PCB-94	mg/kg	--	--	--	< 0.00017 U	< 0.000022 U	< 0.000021 U	< 0.0002 U	< 0.00014 U	< 0.00014 U	< 0.000071 U
PCB-95	mg/kg	--	--	--	**0.0081 E**	**0.000033**	**0.000031**	**0.0055 E**	**0.0078 E**	**0.008 E**	**0.0032 G**
PCB-96	mg/kg	--	--	--	**0.000053**	< 0.000022 U	< 0.000021 U	**0.000067**	**0.000042**	**0.000036**	< 0.000025 U
PCB-98	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-98/102	mg/kg	--	--	--	< 0.00015 U	< 0.000043 U	< 0.000042 U	< 0.00017 U	**0.00017 G**	**0.00018 G**	< 0.000063 U
PCB-99	mg/kg	--	--	--	**0.0066 E**	< 0.000022 U	< 0.000021 U	**0.0066 E**	**0.0046 E**	**0.0044 E**	**0.0022 G**
PCB-209 (Decachlorobiphenyl)	mg/kg	--	--	--	**0.000079**	**0.0001**	< 0.000021 U	**0.000096**	< 0.000023 U	**0.00013**	**0.00017**
Total Non-Dioxin-like PCBs	mg/kg	1.55	4.4	--	**0.199393**	**0.00192**	**0.000399**	**0.226578**	**0.130681**	**0.16234**	**0.071521**

Notes:

Bolded values indicated detections

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs,
both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

< = Concentration is less than the reporting limit

-- Not Analyzed / No Standard

ft bgs = feet below ground surface

RRS = Risk Reduction Standard

TEF = Toxic Equivalency Factor

TEQ = Toxic Equivalency

mg/kg = milligrams per kilogram

TEQ of Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxin-like PCBs.

TEQ of Dioxins and Furans and Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxins and furans and

Qualifiers:

U = Not detected above reporting limit

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.

q - The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion r

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-134	SB-135	SB-136	SB-136	SB-137	SB-F1	SB-F12
				Sample Date	8/19/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	10/19/2000	8/20/2014
				Sample Depth (ft bgs)	0 - 1	0 - 1	0 - 1	1 - 3	0 - 1	1 - 3	0 - 1
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
Aroclors											
Aroclor 1016	mg/kg	--	--	--	< 0.038 U	< 0.042 U	< 0.04 U	< 0.036 U	< 0.041 U	< 0.038	< 0.036 U
Aroclor 1221	mg/kg	--	--	--	< 0.038 U	< 0.042 U	< 0.04 U	< 0.036 U	< 0.041 U	< 0.078	< 0.036 U
Aroclor 1232	mg/kg	--	--	--	< 0.038 U	< 0.042 U	< 0.04 U	< 0.036 U	< 0.041 U	< 0.038	< 0.036 U
Aroclor 1242	mg/kg	--	--	--	< 0.038 U	< 0.042 U	< 0.04 U	< 0.036 U	< 0.041 U	< 0.038	< 0.036 U
Aroclor 1248	mg/kg	--	--	--	< 0.038 U	< 0.042 U	< 0.04 U	< 0.036 U	< 0.041 U	< 0.038	< 0.036 U
Aroclor 1254	mg/kg	1.55	1.55	--	**0.094**	**0.56**	**0.29**	**0.77**	**1.7 E**	< 0.038	< 0.036 U
Aroclor 1260	mg/kg	1.55	1.55	--	< 0.038 U	< 0.042 U	< 0.04 U	< 0.036 U	< 0.041 U	< 0.038	< 0.036 U
Aroclor 1262	mg/kg	--	--	--	< 0.038 U	< 0.042 U	< 0.04 U	< 0.036 U	< 0.041 U	--	< 0.036 U
Aroclor 1268	mg/kg	--	--	--	< 0.038 U	< 0.042 U	< 0.04 U	< 0.036 U	< 0.041 U	--	< 0.036 U
Dioxins and Furans											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	--	--	--	**0.00000785**	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	mg/kg	--	--	0.00000001	--	--	--	--	--	**0.000101**	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	--	--	--	**0.0000005**	--
1,2,3,4,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.000000567**	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.0000134**	--
1,2,3,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.000000469**	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.000000712**	--
1,2,3,7,8,9-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.000000129**	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.00000675**	--
1,2,3,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.00000003	--	--	--	--	--	**0.000000165**	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	mg/kg	--	--	0.000001	--	--	--	--	--	**0.000000893**	--
2,3,4,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.000000588**	--
2,3,4,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.0000003	--	--	--	--	--	**0.000000628**	--
2,3,7,8-Tetrachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.00000113**	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	mg/kg	--	--	0.000001	--	--	--	--	--	**0.000000142**	< 0.0000011 U
Heptachlorodibenzofurans	mg/kg	--	--	0.00000001	--	--	--	--	--	**0.0000268**	--
Heptachlorodibenzo-p-dioxins	mg/kg	--	--	0.00000001	--	--	--	--	--	**0.000244**	--
Hexachlorodibenzofurans	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.0000116**	< 0.0000053 U
Hexachlorodibenzo-p-dioxins	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.000115**	< 0.0000053 U
Octachlorodibenzofuran	mg/kg	--	--	3E-10	--	--	--	--	--	**0.0000178**	--
Octachlorodibenzo-p-dioxin	mg/kg	--	--	3E-10	--	--	--	--	--	**0.0018**	--
Pentachlorodibenzofurans, Total	mg/kg	--	--	0.00000003	--	--	--	--	--	**0.00000877**	< 0.0000053 U
Pentachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	--	--	--	--	--	**0.00000992**	< 0.0000053 U
Tetrachlorodibenzofuran	mg/kg	--	--	--	--	--	--	--	--	--	< 0.0000011 U
Tetrachlorodibenzofurans, Total	mg/kg	--	--	0.0000001	--	--	--	--	--	**0.00000827**	--
Tetrachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	--	--	--	--	--	**0.00000377**	< 0.0000011 U
TEQ of dioxins and furans	mg/kg	--	--	--	--	--	--	--	--	**2.74401E-05**	--
Dioxin-like PCBs											
PCB-105	mg/kg	--	--	3E-11	**0.0037 G**	**0.03 G**	**0.018 G**	**0.011 G**	**0.05 E**	--	**0.00018 G**
PCB-114	mg/kg	--	--	3E-11	< 0.00012 U	**0.0015 G**	**0.0006 G**	**0.00034 G**	**0.0022 G**	--	**0.0000082 G**
PCB-118	mg/kg	--	--	3E-11	**0.009 G**	**0.069 G**	**0.046 G**	**0.024 G**	**0.12 E**	--	**0.00047 G**
PCB-123	mg/kg	--	--	3E-11	**0.00073 G**	**0.00065 G**	**0.00063 G**	**0.00042 G**	**0.0014 G**	--	**0.0000053 G**
PCB-126	mg/kg	--	--	0.0000001	< 0.00016 U	**0.00095 G**	**0.00078 G**	**0.00053 G**	**0.0013 G**	--	< 0.0000071 U
PCB-156/157	mg/kg	--	--	3E-11	**0.0022 G**	**0.014 G**	**0.0081 G**	**0.0045**	**0.025 G**	--	**0.000091**
PCB-167	mg/kg	--	--	3E-11	**0.00071 G**	**0.0038 G**	**0.0025 G**	**0.0015 G**	**0.007 G**	--	**0.000028**
PCB-169	mg/kg	--	--	0.00000003	< 0.000017 U	< 0.00013 U	< 0.000055 U	< 0.000042 U	< 0.00018 U	--	< 0.0000022 U
PCB-189	mg/kg	--	--	3E-11	**0.000098**	**0.00048 G**	**0.00027**	**0.00014**	**0.00084 G**	--	**0.0000036**
PCB-77	mg/kg	--	--	1E-10	**0.00009 G**	**0.0013 G**	**0.001 G**	**0.0013 G**	**0.0011 G**	--	**0.0000072**
PCB-81	mg/kg	--	--	3E-10	< 0.00002 U	< 0.00023 U	< 0.00008 U	< 0.000057 U	< 0.00028 U	--	< 0.0000022 U
TEQ of dioxin-like PCBs	mg/kg	--	--	--	**4.3614E-07**	**9.87129E-05**	**0.000080383**	**0.000054387**	**0.000136303**		**2.1573E-08**
TEQ of dioxins and furans and dioxin-like PCBs	mg/kg	0.000115	0.00044	--	--	--	--	--	--	--	--
Non-Dioxin-like PCBs											
PCB-1	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-10	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-103	mg/kg	--	--	--	< 0.00013 U	< 0.00071 U	< 0.0004 U	< 0.00022 U	< 0.00084 U	--	< 0.000022 U
PCB-104	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-106	mg/kg	--	--	--	< 0.00012 U	< 0.00069 U	< 0.00039 U	< 0.00021 U	< 0.00082 U	--	< 0.000022 U
PCB-107	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-107/124	mg/kg	--	--	--	**0.00035 G**	**0.003 G**	**0.0017 G**	**0.0011 G**	**0.0046 G**	--	< 0.000043 U
PCB-109	mg/kg	--	--	--	**0.00068 G**	**0.0041 G**	**0.0026 G**	**0.0016 G**	**0.0069 G**	--	**0.000029**
PCB-11	mg/kg	--	--	--	< 0.000023 U	**0.000063**	**0.00008**	< 0.000022 U	**0.000052**	--	< 0.000022 U
PCB-110	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-110/115	mg/kg	--	--	--	**0.014 G**	**0.096 G**	**0.054 E**	**0.031**	**0.17 E**	--	**0.00063**
PCB-111	mg/kg	--	--	--	< 0.0001 U	< 0.00056 U	< 0.00032 U	< 0.00017 U	< 0.00067 U	--	< 0.000022 U
PCB-112	mg/kg	--	--	--	< 0.000097 U	< 0.00054 U	< 0.00031 U	< 0.00017 U	< 0.00064 U	--	< 0.000022 U
PCB-12	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-115	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-12/13	mg/kg	--	--	--	< 0.000045 U	< 0.000051 U	**0.000075**	< 0.000043 U	< 0.000049 U	--	< 0.000043 U
PCB-120	mg/kg	--	--	--	< 0.00011 U	< 0.00059 U	< 0.00034 U	< 0.00018 U	< 0.00071 U	--	< 0.000022 U
PCB-121	mg/kg	--	--	--	< 0.0001 U	< 0.00056 U	< 0.00032 U	< 0.00017 U	< 0.00066 U	--	< 0.000022 U
PCB-122	mg/kg	--	--	--	< 0.00013 U	**0.00096 G**	**0.00045 G**	**0.00037 G**	**0.002 G**	--	< 0.000022 U
PCB-127	mg/kg	--	--	--	< 0.00012 U	< 0.00068 U	< 0.00039 U	< 0.00021 U	< 0.00082 U	--	< 0.000022 U
PCB-128	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/162	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/166	mg/kg	--	--	--	**0.0029 G**	**0.016**	**0.011**	**0.006**	**0.029**	--	**0.00011**
PCB-129	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163	mg/kg	--	--	--	**0.015 E**	**0.09 E**	**0.056**	**0.031**	**0.16 E**	--	**0.00064**
PCB-130	mg/kg	--	--	--	**0.0011 G**	**0.0064 G**	**0.0038 G**	**0.0021**	**0.011 G**	--	**0.000043**
PCB-131	mg/kg	--	--	--	**0.00021 G**	**0.0014 G**	**0.00074 G**	**0.00066 G**	**0.0024 G**	--	< 0.000022 U
PCB-132	mg/kg	--	--	--	**0.0045 G**	**0.03 E**	**0.016**	**0.0093**	**0.051 E**	--	**0.00019**
PCB-133	mg/kg	--	--	--	**0.00016 G**	**0.00081 G**	**0.00051 G**	**0.00041 G**	**0.0015 G**	--	< 0.000022 U
PCB-134	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-134/143	mg/kg	--	--	--	**0.00073 G**	**0.0047 G**	**0.0023 G**	**0.0022 G**	**0.0082**	--	< 0.000043 U
PCB-135	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-135/151	mg/kg	--	--	--	**0.0027 G**	**0.018**	**0.0087**	**0.0041 G**	**0.028**	--	**0.00011**
PCB-136	mg/kg	--	--	--	**0.0011 G**	**0.0085**	**0.0043**	**0.0023**	**0.012**	--	**0.000048**
PCB-137	mg/kg	--	--	--	**0.00085 G**	**0.0053**	**0.0035**	**0.0018**	**0.0099 G**	--	**0.000033**
PCB-139	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-139/140	mg/kg	--	--	--	**0.00026 G**	**0.0015 G**	**0.0011 G**	**0.00057 G**	**0.0026 G**	--	< 0.000043 U
PCB-14	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-141	mg/kg	--	--	--	**0.0021 G**	**0.013**	**0.0075**	**0.0043**	**0.026 G**	--	**0.000093**
PCB-142	mg/kg	--	--	--	**0.00019 G**	< 0.00033 U	< 0.00019 U	< 0.00011 U	< 0.00035 U	--	< 0.000022 U
PCB-144	mg/kg	--	--	--	**0.0004 G**	**0.0019 G**	**0.0012 G**	**0.00055 G**	< 0.00031 U	--	< 0.000022 U
PCB-145	mg/kg	--	--	--	< 0.000037 U	< 0.00021 U	< 0.00012 U	< 0.000068 U	< 0.00022 U	--	< 0.000022 U
PCB-146	mg/kg	--	--	--	**0.0017 G**	**0.0095**	**0.0057**	**0.0031**	**0.016 G**	--	**0.000065**
PCB-147	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-147/149	mg/kg	--	--	--	**0.0076 G**	**0.051**	**0.027**	**0.015**	**0.083**	--	**0.00033**
PCB-148	mg/kg	--	--	--	< 0.000051 U	< 0.00029 U	< 0.00017 U	< 0.000094 U	< 0.00031 U	--	< 0.000022 U
PCB-15	mg/kg	--	--	--	< 0.000023 U	**0.0002**	**0.000041**	**0.000045**	**0.0001**	--	< 0.000022 U
PCB-150	mg/kg	--	--	--	< 0.000034 U	< 0.0002 U	< 0.00011 U	< 0.000063 U	< 0.00021 U	--	< 0.000022 U
PCB-152	mg/kg	--	--	--	< 0.000035 U	< 0.0002 U	< 0.00012 U	< 0.000065 U	< 0.00021 U	--	< 0.000022 U
PCB-153	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-153/168	mg/kg	--	--	--	**0.0081 E**	**0.052 E**	**0.031**	**0.016**	**0.091**	--	**0.00036**
PCB-154	mg/kg	--	--	--	< 0.000045 U	< 0.00026 U	**0.00029 G**	**0.00053 G**	**0.00073 G**	--	< 0.000022 U
PCB-155	mg/kg	--	--	--	< 0.000036 U	< 0.00019 U	< 0.00012 U	< 0.00024 U	< 0.00024 U	--	< 0.000022 U
PCB-158	mg/kg	--	--	--	**0.0017 G**	**0.01**	**0.0063**	**0.0035**	**0.018**	--	**0.00007**
PCB-159	mg/kg	--	--	--	**0.000046**	**0.00011 G**	**0.000044 G**	< 0.000032 U	< 0.00015 U	--	< 0.000022 U
PCB-16	mg/kg	--	--	--	**0.000032**	**0.0006**	< 0.000024 U	< 0.00022 U	**0.00022**	--	< 0.000022 U
PCB-160	mg/kg	--	--	--	< 0.000045 U	< 0.00026 U	< 0.00015 U	< 0.000084 U	< 0.00027 U	--	< 0.000022 U
PCB-161	mg/kg	--	--	--	< 0.000039 U	< 0.00023 U	< 0.00013 U	< 0.000073 U	< 0.00024 U	--	< 0.000022 U
PCB-162	mg/kg	--	--	--	**0.000088**	**0.00027 G**	**0.00018 G**	**0.00012 G**	**0.00049 G**	--	< 0.000022 U
PCB-164	mg/kg	--	--	--	**0.001 G**	**0.0058**	**0.0035**	**0.002**	**0.01 G**	--	**0.000041**
PCB-165	mg/kg	--	--	--	< 0.000045 U	< 0.00026 U	< 0.00015 U	< 0.000084 U	< 0.00028 U	--	< 0.000022 U
PCB-17	mg/kg	--	--	--	**0.000024**	**0.00045**	**0.000033**	< 0.00022 U	**0.00018**	--	< 0.000022 U
PCB-170	mg/kg	--	--	--	**0.0023**	**0.012**	**0.0061**	**0.0034**	**0.02**	--	**0.000086**
PCB-171	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-171/173	mg/kg	--	--	--	**0.00068**	**0.0041**	**0.002**	**0.0012**	**0.0059**	--	< 0.000043 U
PCB-172	mg/kg	--	--	--	**0.00033**	**0.0018 G**	**0.00063**	**0.00032**	**0.0027**	--	< 0.000022 U
PCB-174	mg/kg	--	--	--	**0.0018**	**0.012**	**0.0044**	**0.0027**	**0.015**	--	**0.00007**
PCB-175	mg/kg	--	--	--	**0.000069**	**0.00045**	**0.00018**	**0.00013**	**0.00061**	--	< 0.000022 U
PCB-176	mg/kg	--	--	--	**0.00016**	**0.0012**	**0.00044**	**0.00028**	**0.0014**	--	< 0.000022 U
PCB-177	mg/kg	--	--	--	**0.001**	**0.0061**	**0.0026**	**0.0018**	**0.0083**	--	**0.000038**
PCB-178	mg/kg	--	--	--	**0.00025**	**0.0018**	**0.00057**	**0.00043**	**0.002**	--	< 0.000022 U
PCB-179	mg/kg	--	--	--	**0.00047**	**0.0041**	**0.0012**	**0.00088**	**0.0039**	--	< 0.000022 U
PCB-18	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-18/30	mg/kg	--	--	--	< 0.000045 U	**0.001**	**0.000081**	< 0.00043 U	**0.00043**	--	< 0.000043 U
PCB-180	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-180/193	mg/kg	--	--	--	**0.0036**	**0.022**	**0.0088**	**0.0052**	**0.029**	--	**0.00014**
PCB-181	mg/kg	--	--	--	**0.00004**	**0.0002**	**0.00013**	**0.000082**	**0.0004**	--	< 0.000022 U
PCB-182	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	**0.000025**	< 0.000022 U	**0.000091**	--	< 0.000022 U
PCB-183	mg/kg	--	--	--	**0.00092**	**0.0059**	**0.0023**	**0.0015**	**0.0077**	--	**0.000036**
PCB-184	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-185	mg/kg	--	--	--	**0.00011**	**0.00099**	**0.00035**	**0.00019**	**0.00098**	--	< 0.000022 U
PCB-186	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-187	mg/kg	--	--	--	**0.0015**	**0.011**	**0.0034**	**0.0023**	**0.012**	--	**0.000053**

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-134	SB-135	SB-136	SB-136	SB-137	SB-F1	SB-F12
				Sample Date	8/19/2014	8/21/2014	8/21/2014	8/21/2014	8/21/2014	10/19/2000	8/20/2014
				Sample Depth (ft bgs)	0 - 1	0 - 1	0 - 1	1 - 3	0 - 1	1 - 3	0 - 1
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
PCB-188	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-19	mg/kg	--	--	--	< 0.000023 U	**0.00019 G**	< 0.000024 U	< 0.000022 U	**0.00011**	--	< 0.000022 U
PCB-190	mg/kg	--	--	--	**0.00037**	**0.0022**	**0.001**	**0.00051**	**0.0035**	--	< 0.000022 U
PCB-191	mg/kg	--	--	--	**0.000093**	**0.00046**	**0.00023**	**0.00013**	**0.00085**	--	< 0.000022 U
PCB-192	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-194	mg/kg	--	--	--	**0.00053**	**0.003**	**0.00081**	**0.00044**	**0.0032**	--	< 0.000022 U
PCB-195	mg/kg	--	--	--	**0.00018**	**0.0012**	**0.00032**	**0.00016**	**0.0012**	--	< 0.000022 U
PCB-196	mg/kg	--	--	--	**0.00031**	**0.0021**	**0.00043**	**0.00021**	**0.0019**	--	< 0.000022 U
PCB-197	mg/kg	--	--	--	< 0.000023 U	**0.00011**	**0.000029**	**0.000025**	**0.00012**	--	< 0.000022 U
PCB-198	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-198/199	mg/kg	--	--	--	**0.00069**	**0.005**	**0.00093**	**0.001**	**0.0041**	--	< 0.000043 U
PCB-2	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-20	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-20/28	mg/kg	--	--	--	**0.000087**	**0.0018 G**	**0.00011**	**0.00051**	**0.00072**	--	< 0.000043 U
PCB-200	mg/kg	--	--	--	**0.000079**	**0.0006**	**0.00011**	**0.00014**	**0.00045**	--	< 0.000022 U
PCB-201	mg/kg	--	--	--	**0.000077**	**0.00044**	**0.00011**	**0.00015**	**0.00046**	--	< 0.000022 U
PCB-202	mg/kg	--	--	--	**0.00011**	**0.00083**	**0.00013**	**0.00019**	**0.00064**	--	< 0.000022 U
PCB-203	mg/kg	--	--	--	**0.00044**	**0.0026**	**0.00057**	**0.00058**	**0.0026**	--	< 0.000022 U
PCB-204	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-205	mg/kg	--	--	--	**0.000034**	**0.00017**	**0.000052**	**0.00004**	**0.00019**	--	< 0.000022 U
PCB-206	mg/kg	--	--	--	**0.00041**	**0.0014**	**0.00033**	**0.0007**	**0.0024**	--	< 0.000022 U
PCB-207	mg/kg	--	--	--	**0.000047**	**0.00018**	**0.000037**	**0.000079**	**0.00021**	--	< 0.000022 U
PCB-208	mg/kg	--	--	--	**0.00011**	**0.00033**	**0.000072**	**0.00016**	**0.00064**	--	< 0.000022 U
PCB-21	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-21/33	mg/kg	--	--	--	**0.000054**	**0.00087 G**	**0.000049**	< 0.00043 U	**0.0003**	--	< 0.000043 U
PCB-22	mg/kg	--	--	--	**0.000033**	**0.00066 G**	**0.000026**	< 0.00022 U	**0.00022 G**	--	< 0.000022 U
PCB-23	mg/kg	--	--	--	< 0.000023 U	< 0.00016 U	< 0.000024 U	< 0.00022 U	< 0.000027 U	--	< 0.000022 U
PCB-24	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.00022 U	< 0.000025 U	--	< 0.000022 U
PCB-25	mg/kg	--	--	--	< 0.000023 U	**0.00019 G**	< 0.000024 U	< 0.00022 U	**0.000075 G**	--	< 0.000022 U
PCB-26	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-26/29	mg/kg	--	--	--	< 0.000045 U	**0.00052 G**	**0.000079**	< 0.00043 U	**0.00011**	--	< 0.000043 U
PCB-27	mg/kg	--	--	--	< 0.000023 U	**0.00013**	< 0.000024 U	< 0.00022 U	**0.000047**	--	< 0.000022 U
PCB-3	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-31	mg/kg	--	--	--	**0.000098**	**0.0018 G**	**0.00027**	**0.00039**	**0.00088 G**	--	< 0.000022 U
PCB-32	mg/kg	--	--	--	< 0.000023 U	**0.00048**	< 0.000024 U	< 0.00022 U	**0.00018**	--	< 0.000022 U
PCB-34	mg/kg	--	--	--	< 0.000023 U	< 0.00017 U	< 0.000024 U	< 0.00022 U	< 0.000028 U	--	< 0.000022 U
PCB-35	mg/kg	--	--	--	< 0.000023 U	**0.00051 G**	< 0.000024 U	< 0.00022 U	**0.000041 G**	--	< 0.000022 U
PCB-36	mg/kg	--	--	--	< 0.000023 U	**0.00022 G**	**0.000081**	< 0.00022 U	**0.00033 G**	--	< 0.000022 U
PCB-37	mg/kg	--	--	--	**0.000038**	**0.00039 G**	**0.000087**	< 0.00022 U	**0.00031 G**	--	< 0.000022 U
PCB-38	mg/kg	--	--	--	< 0.000023 U	< 0.00018 U	< 0.000024 U	< 0.00022 U	< 0.00003 U	--	< 0.000022 U
PCB-39	mg/kg	--	--	--	< 0.000023 U	< 0.00017 U	< 0.000024 U	< 0.00022 U	< 0.000029 U	--	< 0.000022 U
PCB-4	mg/kg	--	--	--	< 0.000023 U	**0.00009**	< 0.000024 U	< 0.000022 U	**0.000069**	--	< 0.000022 U
PCB-40	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-40/71	mg/kg	--	--	--	**0.00015**	**0.0026**	**0.00069**	< 0.000043 U	**0.0033**	--	< 0.000043 U
PCB-41	mg/kg	--	--	--	< 0.000023 U	**0.00012 G**	< 0.000024 U	< 0.000022 U	**0.00016 G**	--	< 0.000022 U
PCB-42	mg/kg	--	--	--	**0.000076**	**0.0012 G**	**0.00037**	< 0.000022 U	**0.0017 G**	--	< 0.000022 U
PCB-43	mg/kg	--	--	--	< 0.000023 U	**0.00016 G**	< 0.000024 U	< 0.000022 U	**0.00021 G**	--	< 0.000022 U
PCB-44	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65	mg/kg	--	--	--	**0.0011**	**0.011**	**0.005**	**0.0012**	**0.02**	--	**0.000096**
PCB-45	mg/kg	--	--	--	< 0.000023 U	**0.00055 G**	**0.000097**	< 0.000022 U	**0.00052 G**	--	< 0.000022 U
PCB-46	mg/kg	--	--	--	< 0.000023 U	**0.00026 G**	**0.000052**	< 0.000022 U	**0.00021 G**	--	< 0.000022 U
PCB-48	mg/kg	--	--	--	**0.00004**	**0.00059 G**	**0.00016**	**0.00025**	**0.00074 G**	--	< 0.000022 U
PCB-49	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-49/69	mg/kg	--	--	--	**0.00052**	**0.0048**	**0.0027**	**0.00075**	**0.0093**	--	**0.00007**
PCB-5	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-50	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-50/53	mg/kg	--	--	--	**0.000058**	**0.001**	**0.00034**	**0.000097**	**0.0011**	--	< 0.000043 U
PCB-51	mg/kg	--	--	--	< 0.000023 U	**0.00014 G**	**0.000034**	< 0.000022 U	**0.000095 G**	--	< 0.000022 U
PCB-52	mg/kg	--	--	--	**0.0035 E**	**0.032 E**	**0.013**	**0.0054**	**0.058 E**	--	**0.0002**
PCB-54	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-55	mg/kg	--	--	--	< 0.000023 U	< 0.00016 U	< 0.000061 U	< 0.000034 U	< 0.00026 U	--	< 0.000022 U
PCB-56	mg/kg	--	--	--	**0.00026**	**0.0025**	**0.0011 G**	< 0.000037 U	**0.004**	--	< 0.000022 U
PCB-57	mg/kg	--	--	--	**0.0002**	< 0.00015 U	< 0.00006 U	< 0.000034 U	< 0.00025 U	--	< 0.000022 U
PCB-58	mg/kg	--	--	--	< 0.000023 U	< 0.00016 U	< 0.000061 U	< 0.000034 U	< 0.00026 U	--	< 0.000022 U
PCB-59	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75	mg/kg	--	--	--	< 0.000068 U	**0.00029**	< 0.000072 U	< 0.000065 U	**0.00031**	--	< 0.000065 U
PCB-6	mg/kg	--	--	--	< 0.000023 U	**0.00004**	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-60	mg/kg	--	--	--	**0.000094**	**0.00088 G**	**0.00042 G**	< 0.000036 U	**0.0015 G**	--	< 0.000022 U
PCB-61	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76	mg/kg	--	--	--	**0.0028**	**0.022**	**0.011**	< 0.000087 U	**0.04**	--	**0.00015**
PCB-63	mg/kg	--	--	--	< 0.000023 U	**0.00021 G**	**0.000098 G**	< 0.000031 U	< 0.00024 U	--	< 0.000022 U
PCB-64	mg/kg	--	--	--	**0.00031**	**0.0035**	**0.0018**	**0.000065**	**0.0055**	--	< 0.000022 U
PCB-66	mg/kg	--	--	--	**0.00068**	**0.0057**	**0.0035**	< 0.000038 U	**0.012**	--	**0.000059**
PCB-67	mg/kg	--	--	--	< 0.000023 U	< 0.00014 U	< 0.000056 U	< 0.000031 U	< 0.00024 U	--	< 0.000022 U
PCB-68	mg/kg	--	--	--	< 0.000023 U	< 0.00014 U	< 0.000054 U	< 0.00003 U	< 0.00023 U	--	< 0.000022 U
PCB-7	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-72	mg/kg	--	--	--	< 0.000023 U	< 0.00015 U	< 0.000059 U	< 0.000032 U	< 0.00025 U	--	< 0.000022 U
PCB-73	mg/kg	--	--	--	< 0.000023 U	< 0.000038 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-78	mg/kg	--	--	--	**0.000043**	< 0.00018 U	< 0.000069 U	< 0.000038 U	< 0.00029 U	--	< 0.000022 U
PCB-79	mg/kg	--	--	--	**0.00015**	**0.00098 G**	**0.0005 G**	< 0.000033 U	**0.002 G**	--	< 0.000022 U
PCB-8	mg/kg	--	--	--	**0.000025**	**0.00015**	**0.000025**	**0.000037**	**0.0001**	--	< 0.000022 U
PCB-80	mg/kg	--	--	--	< 0.000023 U	< 0.00015 U	< 0.000057 U	< 0.000032 U	< 0.00024 U	--	< 0.000022 U
PCB-82	mg/kg	--	--	--	**0.0011 G**	**0.0098 G**	**0.0036 G**	**0.0024 G**	**0.017 G**	--	**0.000058**
PCB-83	mg/kg	--	--	--	**0.00038 G**	**0.0035 G**	**0.0013 G**	< 0.00034 U	**0.0059 G**	--	**0.000022**
PCB-84	mg/kg	--	--	--	**0.0022 G**	**0.021 G**	**0.0072 G**	**0.00065 G**	**0.034 G**	--	**0.00012**
PCB-85	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117	mg/kg	--	--	--	**0.0014 G**	**0.011**	**0.0084**	**0.004 G**	**0.019**	--	**0.000065**
PCB-86	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125	mg/kg	--	--	--	**0.0061**	**0.054**	**0.021**	**0.013**	**0.094**	--	**0.00034**
PCB-88	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-88/91	mg/kg	--	--	--	**0.0011 G**	**0.0083 G**	**0.0043**	**0.0012 G**	**0.013 G**	--	**0.000051**
PCB-89	mg/kg	--	--	--	< 0.00015 U	< 0.00085 U	< 0.00049 U	< 0.00027 U	< 0.001 U	--	< 0.000022 U
PCB-9	mg/kg	--	--	--	< 0.000023 U	< 0.000026 U	< 0.000024 U	< 0.000022 U	< 0.000025 U	--	< 0.000022 U
PCB-90	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113	mg/kg	--	--	--	**0.0089 G**	**0.073**	**0.03**	**0.018**	**0.13**	--	**0.0005**
PCB-92	mg/kg	--	--	--	**0.0017 G**	**0.012 G**	**0.0054 G**	< 0.00025 U	**0.023 G**	--	**0.000096**
PCB-93	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-93/100	mg/kg	--	--	--	< 0.00014 U	< 0.00076 U	< 0.00044 U	< 0.00024 U	< 0.00091 U	--	< 0.000043 U
PCB-94	mg/kg	--	--	--	< 0.00015 U	< 0.00081 U	< 0.00046 U	< 0.00025 U	< 0.00097 U	--	< 0.000022 U
PCB-95	mg/kg	--	--	--	**0.0062 G**	**0.042 G**	**0.019 G**	**0.00062 G**	**0.095 e**	--	**0.00025**
PCB-96	mg/kg	--	--	--	**0.00003**	**0.00035**	**0.00016**	**0.000049**	**0.00046**	--	< 0.000022 U
PCB-98	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-98/102	mg/kg	--	--	--	< 0.00013 U	**0.0015 G**	**0.00064 G**	**0.00063 G**	**0.0024 G**	--	< 0.000043 U
PCB-99	mg/kg	--	--	--	**0.0042 G**	**0.032 G**	**0.02 G**	**0.01 G**	**0.058 E**	--	**0.00022**
PCB-209 (Decachlorobiphenyl)	mg/kg	--	--	--	**0.00016**	**0.00013**	**0.00005**	**0.000075**	**0.00067**	--	< 0.000022 U
Total Non-Dioxin-like PCBs	mg/kg	1.55	4.4	--	**0.128015**	**0.903923**	**0.450647**	**0.223904**	**1.53431**	--	0.005512

Notes:

Bolded values indicated detections

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs,
both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

< = Concentration is less than the reporting limit

-- Not Analyzed / No Standard

ft bgs = feet below ground surface

RRS = Risk Reduction Standard

TEF = Toxic Equivalency Factor

TEQ = Toxic Equivalency

mg/kg = milligrams per kilogram

TEQ of Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxin-like PCBs.

TEQ of Dioxins and Furans and Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxins and furans and

Qualifiers:

U = Not detected above reporting limit

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.

q - The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion r

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-F14	SB-F14/F12	SB-F14/F12/F3	SB-F15	SB-F19	SB-F27	SB-F27
				Sample Date	8/20/2014	10/20/2000	10/19/2000	8/19/2014	10/17/2000	8/19/2014	8/19/2014
				Sample Depth (ft bgs)	0 - 1	1 - 3	0 - 3	0 - 1	0 - 3	0 - 1	1 - 3
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
Aroclors											
Aroclor 1016	mg/kg	--	--	--	< 0.038 U	< 0.035	--	--	< 0.039	--	--
Aroclor 1221	mg/kg	--	--	--	< 0.038 U	< 0.072	--	--	< 0.08	--	--
Aroclor 1232	mg/kg	--	--	--	< 0.038 U	< 0.035	--	--	< 0.039	--	--
Aroclor 1242	mg/kg	--	--	--	< 0.038 U	< 0.035	--	--	< 0.039	--	--
Aroclor 1248	mg/kg	--	--	--	< 0.038 U	< 0.035	--	--	< 0.039	--	--
Aroclor 1254	mg/kg	1.55	1.55	--	**0.56**	**0.054**	--	--	< 0.039	--	--
Aroclor 1260	mg/kg	1.55	1.55	--	< 0.038 U	< 0.035	--	--	< 0.039	--	--
Aroclor 1262	mg/kg	--	--	--	< 0.038 U	--	--	--	--	--	--
Aroclor 1268	mg/kg	--	--	--	< 0.038 U	--	--	--	--	--	--
Dioxins and Furans											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	**0.0000301**	--	**0.00000321**	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	mg/kg	--	--	0.00000001	--	--	**0.0000853**	--	**0.0000399**	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	**0.0000013**	--	**0.000000284**	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	**0.00000172**	--	**0.000000433**	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	**0.00000377**	--	**0.00000168**	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	**0.00000146**	--	**0.000000265**	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	**0.00000111**	--	< 0.00000082	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	**0.000000466**	--	**0.00000012**	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	**0.00000238**	--	**0.00000115**	--	--
1,2,3,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.00000003	--	--	**0.000000538**	--	**0.000000154**	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	mg/kg	--	--	0.000001	--	--	**0.000000743**	--	< 0.000000262	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	**0.00000208**	--	**0.000000297**	--	--
2,3,4,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.0000003	--	--	**0.00000225**	--	**0.000000388**	--	--
2,3,7,8-Tetrachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	**0.00000145**	--	**0.000000618**	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	mg/kg	--	--	0.000001	< 0.0000011 U	--	**0.000000203**	< 0.0000012 U	**0.000000106**	< 0.0000011 U	< 0.0000011 U
Heptachlorodibenzofurans	mg/kg	--	--	0.00000001	--	--	**0.0000762**	--	**0.0000109**	--	--
Heptachlorodibenzo-p-dioxins	mg/kg	--	--	0.00000001	--	--	**0.000266**	--	**0.000121**	--	--
Hexachlorodibenzofurans	mg/kg	--	--	0.0000001	**0.000011**	--	**0.0000345**	**0.000075 q**	**0.00000454**	**0.000039 q**	**0.000023 q**
Hexachlorodibenzo-p-dioxins	mg/kg	--	--	0.0000001	**0.000018 q**	--	**0.0000419**	**0.0009**	**0.0000197**	**0.000074 q**	**0.00011 q**
Octachlorodibenzofuran	mg/kg	--	--	3E-10	--	--	**0.0000672**	--	**0.0000107**	--	--
Octachlorodibenzo-p-dioxin	mg/kg	--	--	3E-10	--	--	**0.00108**	--	**0.00464**	--	--
Pentachlorodibenzofurans, Total	mg/kg	--	--	0.00000003	**0.0000093**	--	**0.0000288**	**0.00003 q**	**0.00000352**	**0.000019 q**	**0.000017 q**
Pentachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	< 0.0000057 U	--	**0.00000685**	**0.000051 q**	**0.00000175**	**0.0000058 q**	**0.0000059 q**
Tetrachlorodibenzofuran	mg/kg	--	--	--	**0.000012 q**	--	--	**0.000017 q**	--	**0.000011 q**	**0.000011 q**
Tetrachlorodibenzofurans, Total	mg/kg	--	--	0.0000001	--	--	**0.0000205**	--	**0.00000377**	--	--
Tetrachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	**0.0000011 q**	--	**0.00000366**	**0.0000092 q**	**0.000000303**	< 0.0000011 U	< 0.0000011 U
TEQ of dioxins and furans	mg/kg	--	--	--	**0.000005479**	--	**0.000021064**	**0.0001603**	**4.9596E-06**	**0.00001877**	**0.00002081**
Dioxin-like PCBs											
PCB-105	mg/kg	--	--	3E-11	**0.032 E**	--	--	--	--	--	--
PCB-114	mg/kg	--	--	3E-11	**0.001 G**	--	--	--	--	--	--
PCB-118	mg/kg	--	--	3E-11	**0.079 E**	--	--	--	--	--	--
PCB-123	mg/kg	--	--	3E-11	**0.0008 G**	--	--	--	--	--	--
PCB-126	mg/kg	--	--	0.0000001	**0.0011 G**	--	--	--	--	--	--
PCB-156/157	mg/kg	--	--	3E-11	**0.013 G**	--	--	--	--	--	--
PCB-167	mg/kg	--	--	3E-11	**0.0039 G**	--	--	--	--	--	--
PCB-169	mg/kg	--	--	0.00000003	< 0.00011 U	--	--	--	--	--	--
PCB-189	mg/kg	--	--	3E-11	**0.00041**	--	--	--	--	--	--
PCB-77	mg/kg	--	--	1E-10	**0.0015 G**	--	--	--	--	--	--
PCB-81	mg/kg	--	--	3E-10	< 0.00012 U	--	--	--	--	--	--
TEQ of dioxin-like PCBs	mg/kg	--	--	--	**0.000113663**						
TEQ of dioxins and furans and dioxin-like PCBs	mg/kg	0.000115	0.00044	--	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Non-Dioxin-like PCBs											
PCB-1	mg/kg	--	--	--	**0.000034**	--	--	--	--	--	--
PCB-10	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-103	mg/kg	--	--	--	< 0.0006 U	--	--	--	--	--	--
PCB-104	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-106	mg/kg	--	--	--	< 0.00058 U	--	--	--	--	--	--
PCB-107	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-107/124	mg/kg	--	--	--	**0.0031 G**	--	--	--	--	--	--
PCB-109	mg/kg	--	--	--	**0.0054 G**	--	--	--	--	--	--
PCB-11	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-110	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-110/115	mg/kg	--	--	--	**0.098 G**	--	--	--	--	--	--
PCB-111	mg/kg	--	--	--	< 0.00047 U	--	--	--	--	--	--
PCB-112	mg/kg	--	--	--	< 0.00046 U	--	--	--	--	--	--
PCB-12	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-115	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-12/13	mg/kg	--	--	--	< 0.000045 U	--	--	--	--	--	--
PCB-120	mg/kg	--	--	--	< 0.0005 U	--	--	--	--	--	--
PCB-121	mg/kg	--	--	--	< 0.00047 U	--	--	--	--	--	--
PCB-122	mg/kg	--	--	--	**0.0011 G**	--	--	--	--	--	--
PCB-127	mg/kg	--	--	--	< 0.00058 U	--	--	--	--	--	--
PCB-128	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/162	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/166	mg/kg	--	--	--	**0.016**	--	--	--	--	--	--
PCB-129	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163	mg/kg	--	--	--	**0.093 E**	--	--	--	--	--	--
PCB-130	mg/kg	--	--	--	**0.0065 G**	--	--	--	--	--	--
PCB-131	mg/kg	--	--	--	**0.0012 G**	--	--	--	--	--	--
PCB-132	mg/kg	--	--	--	**0.026 G**	--	--	--	--	--	--
PCB-133	mg/kg	--	--	--	**0.00096 G**	--	--	--	--	--	--
PCB-134	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-134/143	mg/kg	--	--	--	**0.0045 G**	--	--	--	--	--	--
PCB-135	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-135/151	mg/kg	--	--	--	**0.018**	--	--	--	--	--	--
PCB-136	mg/kg	--	--	--	**0.0069 G**	--	--	--	--	--	--
PCB-137	mg/kg	--	--	--	**0.0048 G**	--	--	--	--	--	--
PCB-139	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-139/140	mg/kg	--	--	--	**0.0014 G**	--	--	--	--	--	--
PCB-14	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-141	mg/kg	--	--	--	**0.012 G**	--	--	--	--	--	--
PCB-142	mg/kg	--	--	--	< 0.00032 U	--	--	--	--	--	--
PCB-144	mg/kg	--	--	--	**0.0018 G**	--	--	--	--	--	--
PCB-145	mg/kg	--	--	--	< 0.00021 U	--	--	--	--	--	--
PCB-146	mg/kg	--	--	--	**0.0099 G**	--	--	--	--	--	--
PCB-147	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-147/149	mg/kg	--	--	--	**0.048 E**	--	--	--	--	--	--
PCB-148	mg/kg	--	--	--	< 0.00029 U	--	--	--	--	--	--
PCB-15	mg/kg	--	--	--	**0.000098 q**	--	--	--	--	--	--
PCB-150	mg/kg	--	--	--	< 0.00019 U	--	--	--	--	--	--
PCB-152	mg/kg	--	--	--	< 0.0002 U	--	--	--	--	--	--
PCB-153	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-153/168	mg/kg	--	--	--	**0.054 E**	--	--	--	--	--	--
PCB-154	mg/kg	--	--	--	**0.00057 G**	--	--	--	--	--	--
PCB-155	mg/kg	--	--	--	< 0.0002 U	--	--	--	--	--	--
PCB-158	mg/kg	--	--	--	**0.0096 G**	--	--	--	--	--	--
PCB-159	mg/kg	--	--	--	< 0.00008 U	--	--	--	--	--	--
PCB-16	mg/kg	--	--	--	**0.00024**	--	--	--	--	--	--
PCB-160	mg/kg	--	--	--	< 0.00025 U	--	--	--	--	--	--
PCB-161	mg/kg	--	--	--	< 0.00022 U	--	--	--	--	--	--
PCB-162	mg/kg	--	--	--	**0.00021 G**	--	--	--	--	--	--
PCB-164	mg/kg	--	--	--	**0.0057 G**	--	--	--	--	--	--
PCB-165	mg/kg	--	--	--	< 0.00026 U	--	--	--	--	--	--
PCB-17	mg/kg	--	--	--	**0.00038**	--	--	--	--	--	--
PCB-170	mg/kg	--	--	--	**0.011**	--	--	--	--	--	--
PCB-171	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-171/173	mg/kg	--	--	--	**0.0033**	--	--	--	--	--	--
PCB-172	mg/kg	--	--	--	**0.0015**	--	--	--	--	--	--
PCB-174	mg/kg	--	--	--	**0.0087**	--	--	--	--	--	--
PCB-175	mg/kg	--	--	--	**0.00036**	--	--	--	--	--	--
PCB-176	mg/kg	--	--	--	**0.00087**	--	--	--	--	--	--
PCB-177	mg/kg	--	--	--	**0.0051**	--	--	--	--	--	--
PCB-178	mg/kg	--	--	--	**0.0015**	--	--	--	--	--	--
PCB-179	mg/kg	--	--	--	**0.0026**	--	--	--	--	--	--
PCB-18	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-18/30	mg/kg	--	--	--	**0.00044**	--	--	--	--	--	--
PCB-180	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-180/193	mg/kg	--	--	--	**0.017**	--	--	--	--	--	--
PCB-181	mg/kg	--	--	--	**0.0002**	--	--	--	--	--	--
PCB-182	mg/kg	--	--	--	**0.000067**	--	--	--	--	--	--
PCB-183	mg/kg	--	--	--	**0.0042**	--	--	--	--	--	--
PCB-184	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-185	mg/kg	--	--	--	**0.00057**	--	--	--	--	--	--
PCB-186	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-187	mg/kg	--	--	--	**0.0079**	--	--	--	--	--	--

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-F14	SB-F14/F12	SB-F14/F12/F3	SB-F15	SB-F19	SB-F27	SB-F27
				Sample Date	8/20/2014	10/20/2000	10/19/2000	8/19/2014	10/17/2000	8/19/2014	8/19/2014
				Sample Depth (ft bgs)	0 - 1	1 - 3	0 - 3	0 - 1	0 - 3	0 - 1	1 - 3
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
PCB-188	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-19	mg/kg	--	--	--	**0.00015**	--	--	--	--	--	--
PCB-190	mg/kg	--	--	--	**0.0018**	--	--	--	--	--	--
PCB-191	mg/kg	--	--	--	**0.00042**	--	--	--	--	--	--
PCB-192	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-194	mg/kg	--	--	--	**0.0017**	--	--	--	--	--	--
PCB-195	mg/kg	--	--	--	**0.00069**	--	--	--	--	--	--
PCB-196	mg/kg	--	--	--	**0.0013**	--	--	--	--	--	--
PCB-197	mg/kg	--	--	--	**0.000077**	--	--	--	--	--	--
PCB-198	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-198/199	mg/kg	--	--	--	**0.003**	--	--	--	--	--	--
PCB-2	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-20	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-20/28	mg/kg	--	--	--	**0.0015**	--	--	--	--	--	--
PCB-200	mg/kg	--	--	--	**0.00038**	--	--	--	--	--	--
PCB-201	mg/kg	--	--	--	**0.00037**	--	--	--	--	--	--
PCB-202	mg/kg	--	--	--	**0.00053**	--	--	--	--	--	--
PCB-203	mg/kg	--	--	--	**0.0019**	--	--	--	--	--	--
PCB-204	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-205	mg/kg	--	--	--	**0.00012**	--	--	--	--	--	--
PCB-206	mg/kg	--	--	--	**0.0012**	--	--	--	--	--	--
PCB-207	mg/kg	--	--	--	**0.00015**	--	--	--	--	--	--
PCB-208	mg/kg	--	--	--	**0.00033**	--	--	--	--	--	--
PCB-21	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-21/33	mg/kg	--	--	--	**0.00068**	--	--	--	--	--	--
PCB-22	mg/kg	--	--	--	**0.00028 G**	--	--	--	--	--	--
PCB-23	mg/kg	--	--	--	< 0.00004 U	--	--	--	--	--	--
PCB-24	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-25	mg/kg	--	--	--	**0.00015 G**	--	--	--	--	--	--
PCB-26	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-26/29	mg/kg	--	--	--	**0.00011**	--	--	--	--	--	--
PCB-27	mg/kg	--	--	--	**0.000055**	--	--	--	--	--	--
PCB-3	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-31	mg/kg	--	--	--	**0.0012 G**	--	--	--	--	--	--
PCB-32	mg/kg	--	--	--	**0.00087**	--	--	--	--	--	--
PCB-34	mg/kg	--	--	--	< 0.000042 U	--	--	--	--	--	--
PCB-35	mg/kg	--	--	--	**0.00005 G**	--	--	--	--	--	--
PCB-36	mg/kg	--	--	--	**0.0004 G**	--	--	--	--	--	--
PCB-37	mg/kg	--	--	--	**0.00034 G**	--	--	--	--	--	--
PCB-38	mg/kg	--	--	--	< 0.000046 U	--	--	--	--	--	--
PCB-39	mg/kg	--	--	--	< 0.000043 U	--	--	--	--	--	--
PCB-4	mg/kg	--	--	--	**0.00011 q**	--	--	--	--	--	--
PCB-40	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-40/71	mg/kg	--	--	--	**0.0038**	--	--	--	--	--	--
PCB-41	mg/kg	--	--	--	**0.000067 G**	--	--	--	--	--	--
PCB-42	mg/kg	--	--	--	**0.0021 G**	--	--	--	--	--	--
PCB-43	mg/kg	--	--	--	**0.00014 G**	--	--	--	--	--	--
PCB-44	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65	mg/kg	--	--	--	**0.019**	--	--	--	--	--	--
PCB-45	mg/kg	--	--	--	**0.000089 G**	--	--	--	--	--	--
PCB-46	mg/kg	--	--	--	**0.00054 G**	--	--	--	--	--	--
PCB-48	mg/kg	--	--	--	**0.00038 G**	--	--	--	--	--	--
PCB-49	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-49/69	mg/kg	--	--	--	**0.012**	--	--	--	--	--	--
PCB-5	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-50	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-50/53	mg/kg	--	--	--	**0.0025**	--	--	--	--	--	--
PCB-51	mg/kg	--	--	--	**0.0014 G**	--	--	--	--	--	--
PCB-52	mg/kg	--	--	--	**0.038 E**	--	--	--	--	--	--
PCB-54	mg/kg	--	--	--	**0.00017**	--	--	--	--	--	--
PCB-55	mg/kg	--	--	--	< 0.000099 U	--	--	--	--	--	--
PCB-56	mg/kg	--	--	--	**0.0028**	--	--	--	--	--	--
PCB-57	mg/kg	--	--	--	< 0.000097 U	--	--	--	--	--	--
PCB-58	mg/kg	--	--	--	< 0.000098 U	--	--	--	--	--	--
PCB-59	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75	mg/kg	--	--	--	**0.00037**	--	--	--	--	--	--
PCB-6	mg/kg	--	--	--	**0.000034 q**	--	--	--	--	--	--
PCB-60	mg/kg	--	--	--	**0.00085 G**	--	--	--	--	--	--
PCB-61	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76	mg/kg	--	--	--	**0.031**	--	--	--	--	--	--
PCB-63	mg/kg	--	--	--	**0.00014 G**	--	--	--	--	--	--
PCB-64	mg/kg	--	--	--	**0.0022**	--	--	--	--	--	--
PCB-66	mg/kg	--	--	--	**0.013**	--	--	--	--	--	--
PCB-67	mg/kg	--	--	--	< 0.000091 U	--	--	--	--	--	--
PCB-68	mg/kg	--	--	--	**0.00016 G**	--	--	--	--	--	--
PCB-7	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-72	mg/kg	--	--	--	**0.00023 G**	--	--	--	--	--	--
PCB-73	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-78	mg/kg	--	--	--	< 0.00011 U	--	--	--	--	--	--
PCB-79	mg/kg	--	--	--	**0.00095 G**	--	--	--	--	--	--
PCB-8	mg/kg	--	--	--	**0.00017**	--	--	--	--	--	--
PCB-80	mg/kg	--	--	--	< 0.000092 U	--	--	--	--	--	--
PCB-82	mg/kg	--	--	--	**0.0081 G**	--	--	--	--	--	--
PCB-83	mg/kg	--	--	--	**0.0026 G**	--	--	--	--	--	--
PCB-84	mg/kg	--	--	--	**0.018 G**	--	--	--	--	--	--
PCB-85	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117	mg/kg	--	--	--	**0.012 G**	--	--	--	--	--	--
PCB-86	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125	mg/kg	--	--	--	**0.05**	--	--	--	--	--	--
PCB-88	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-88/91	mg/kg	--	--	--	**0.0095 G**	--	--	--	--	--	--
PCB-89	mg/kg	--	--	--	< 0.00072 U	--	--	--	--	--	--
PCB-9	mg/kg	--	--	--	< 0.000023 U	--	--	--	--	--	--
PCB-90	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113	mg/kg	--	--	--	**0.077 G**	--	--	--	--	--	--
PCB-92	mg/kg	--	--	--	**0.015 G**	--	--	--	--	--	--
PCB-93	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-93/100	mg/kg	--	--	--	< 0.00065 U	--	--	--	--	--	--
PCB-94	mg/kg	--	--	--	< 0.00068 U	--	--	--	--	--	--
PCB-95	mg/kg	--	--	--	**0.054 G**	--	--	--	--	--	--
PCB-96	mg/kg	--	--	--	**0.00033**	--	--	--	--	--	--
PCB-98	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-98/102	mg/kg	--	--	--	< 0.0006 U	--	--	--	--	--	--
PCB-99	mg/kg	--	--	--	**0.037 G**	--	--	--	--	--	--
PCB-209 (Decachlorobiphenyl)	mg/kg	--	--	--	**0.00037**	--	--	--	--	--	--
Total Non-Dioxin-like PCBs	mg/kg	1.55	4.4	--	0.930551	--	--	--	--	--	--

Notes:

Bolded values indicated detections

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs,
both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

< = Concentration is less than the reporting limit

-- Not Analyzed / No Standard

ft bgs = feet below ground surface

RRS = Risk Reduction Standard

TEF = Toxic Equivalency Factor

TEQ = Toxic Equivalency

mg/kg = milligrams per kilogram

TEQ of Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxin-like PCBs.

TEQ of Dioxins and Furans and Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxins and furans anc

Qualifiers:

U = Not detected above reporting limit

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.

q - The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion r

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-F3	SB-F4	SB-F6	SB-F6/F4/F15/F27	SD-F6/F7/F8	SS-88	SS-90
				Sample Date	8/20/2014	8/19/2014	8/19/2014	10/20/2000	11/2/2000	11/6/2008	11/6/2008
				Sample Depth (ft bgs)	0 - 1	0 - 1	0 - 1	0.5 - 3	0 - 0.5	0 - 2	0 - 2
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**	**TEF**							
Aroclors											
Aroclor 1016	mg/kg	--	--	--	--	--	--	< 0.038	< 0.044	< 0.041	< 0.036
Aroclor 1221	mg/kg	--	--	--	--	--	--	< 0.078	< 0.09	< 0.084	< 0.072
Aroclor 1232	mg/kg	--	--	--	--	--	--	< 0.038	< 0.044	< 0.041	< 0.036
Aroclor 1242	mg/kg	--	--	--	--	--	--	< 0.038	< 0.044	< 0.041	< 0.036
Aroclor 1248	mg/kg	--	--	--	--	--	--	< 0.038	< 0.044	< 0.041	< 0.036
Aroclor 1254	mg/kg	1.55	1.55	--	--	--	--	**0.043**	< 0.044	**0.78**	**0.055**
Aroclor 1260	mg/kg	1.55	1.55	--	--	--	--	< 0.038	< 0.044	**0.25**	< 0.036
Aroclor 1262	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	mg/kg	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	--	**0.00000685**	**0.00000318**	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	mg/kg	--	--	0.00000001	--	--	--	**0.0000754**	**0.00138**	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	--	--	**0.000000537**	< 0.000000399	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	**0.000000721**	< 0.000000379	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	**0.00000379**	**0.0000214**	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	**0.000000602**	< 0.00000037	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	**0.000000935**	**0.0000146**	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	**0.000000208**	< 0.000000614	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	--	--	**0.00000298**	**0.0000522**	--	--
1,2,3,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.00000003	--	--	--	**0.000000238**	< 0.000000422	--	--
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	mg/kg	--	--	0.000001	--	--	--	< 0.000000262	**0.00000713**	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	**0.000000833**	< 0.000000461	--	--
2,3,4,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.0000003	--	--	--	**0.00000112**	< 0.000000346	--	--
2,3,7,8-Tetrachlorodibenzofuran	mg/kg	--	--	0.0000001	--	--	--	**0.000000659**	< 0.000000438	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	mg/kg	--	--	0.000001	< 0.0000011 U	< 0.0000011 U	< 0.0000012 U	**0.000000118**	< 0.000000354	--	--
Heptachlorodibenzofurans	mg/kg	--	--	0.00000001	--	--	--	**0.0000198**	**0.0000143**	--	--
Heptachlorodibenzo-p-dioxins	mg/kg	--	--	0.00000001	--	--	--	**0.00017**	**0.00419**	--	--
Hexachlorodibenzofurans	mg/kg	--	--	0.0000001	**0.000013**	**0.000025 q**	< 0.0000058 U	**0.000013**	**0.00000406**	--	--
Hexachlorodibenzo-p-dioxins	mg/kg	--	--	0.0000001	**0.000032**	**0.000044 q**	**0.000012 q**	**0.0000445**	**0.000936**	--	--
Octachlorodibenzofuran	mg/kg	--	--	3E-10	--	--	--	**0.0000191**	**0.00000696**	--	--
Octachlorodibenzo-p-dioxin	mg/kg	--	--	3E-10	--	--	--	**0.00139**	**0.136**	--	--
Pentachlorodibenzofurans, Total	mg/kg	--	--	0.00000003	**0.000016**	**0.000016 q**	< 0.0000058 U	**0.0000155**	**0.00000194**	--	--
Pentachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	< 0.0000056 U	< 0.0000057 U	< 0.0000058 U	**0.00000461**	**0.000136**	--	--
Tetrachlorodibenzofuran	mg/kg	--	--	--	**0.0000096**	**0.0000092 q**	< 0.0000012 U	--	--	--	--
Tetrachlorodibenzofurans, Total	mg/kg	--	--	0.0000001	--	--	--	**0.0000104**	**0.00000201**	--	--
Tetrachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	0.0000028	< 0.0000011 U	< 0.0000012 U	**0.00000208**	**0.0000416**	--	--
TEQ of dioxins and furans	mg/kg	--	--	--	--	**0.0000083**	**0.0000012**	**0.000013945**	**0.000271865**	--	--
Dioxin-like PCBs											
PCB-105	mg/kg	--	--	3E-11	--	--	--	--	--	--	--
PCB-114	mg/kg	--	--	3E-11	--	--	--	--	--	--	--
PCB-118	mg/kg	--	--	3E-11	--	--	--	--	--	--	--
PCB-123	mg/kg	--	--	3E-11	--	--	--	--	--	--	--
PCB-126	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
PCB-156/157	mg/kg	--	--	3E-11	--	--	--	--	--	--	--
PCB-167	mg/kg	--	--	3E-11	--	--	--	--	--	--	--
PCB-169	mg/kg	--	--	0.00000003	--	--	--	--	--	--	--
PCB-189	mg/kg	--	--	3E-11	--	--	--	--	--	--	--
PCB-77	mg/kg	--	--	1E-10	--	--	--	--	--	--	--
PCB-81	mg/kg	--	--	3E-10	--	--	--	--	--	--	--
TEQ of dioxin-like PCBs	mg/kg	--	--	--							
TEQ of dioxins and furans and dioxin-like PCBs	mg/kg	0.000115	0.00044	--	--	--	--	--	--	--	--
Non-Dioxin-like PCBs											
PCB-1	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-10	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-103	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-104	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-106	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-107	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-107/124	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-109	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-11	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-110	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-110/115	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-111	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-112	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-12	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-115	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-12/13	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-120	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-121	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-122	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-127	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/162	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/166	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-129	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-130	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-131	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-132	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-133	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-134	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-134/143	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-135	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-135/151	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-136	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-137	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-139	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-139/140	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-14	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-141	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-142	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-144	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-145	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-146	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-147	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-147/149	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-148	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-15	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-150	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-152	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-153	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-153/168	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-154	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-155	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-158	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-159	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-16	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-160	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-161	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-162	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-164	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-165	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-17	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-170	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-171	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-171/173	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-172	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-174	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-175	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-176	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-177	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-178	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-179	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-18	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-18/30	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-180	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-180/193	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-181	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-182	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-183	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-184	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-185	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-186	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-187	mg/kg	--	--	--	--	--	--	--	--	--	--

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-F3	SB-F4	SB-F6	SB-F6/F4/F15/F27	SD-F6/F7/F8	SS-88	SS-90
				Sample Date	8/20/2014	8/19/2014	8/19/2014	10/20/2000	11/2/2000	11/6/2008	11/6/2008
				Sample Depth (ft bgs)	0 - 1	0 - 1	0 - 1	0.5 - 3	0 - 0.5	0 - 2	0 - 2
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
PCB-188	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-19	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-190	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-191	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-192	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-194	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-195	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-196	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-197	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-198	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-198/199	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-2	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-20	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-20/28	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-200	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-201	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-202	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-203	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-204	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-205	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-206	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-207	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-208	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-21	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-21/33	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-22	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-23	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-24	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-25	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-26	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-26/29	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-27	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-3	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-31	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-32	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-34	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-35	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-36	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-37	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-38	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-39	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-4	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-40	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-40/71	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-41	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-42	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-43	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-44	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-45	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-46	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-48	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-49	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-49/69	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-5	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-50	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-50/53	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-51	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-52	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-54	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-55	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-56	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-57	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-58	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-59	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-6	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-60	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-61	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-63	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-64	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-66	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-67	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-68	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-7	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-72	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-73	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-78	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-79	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-8	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-80	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-82	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-83	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-84	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-85	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-86	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-88	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-88/91	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-89	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-9	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-90	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-92	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-93	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-93/100	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-94	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-95	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-96	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-98	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-98/102	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-99	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-209 (Decachlorobiphenyl)	mg/kg	--	--	--	--	--	--	--	--	--	--
Total Non-Dioxin-like PCBs	mg/kg	1.55	4.4	--	--	--	--	--	--	--	--

Notes:

Bolded values indicated detections

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs,
both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

< = Concentration is less than the reporting limit

-- Not Analyzed / No Standard

ft bgs = feet below ground surface

RRS = Risk Reduction Standard

TEF = Toxic Equivalency Factor

TEQ = Toxic Equivalency

mg/kg = milligrams per kilogram

TEQ of Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxin-like PCBs.

TEQ of Dioxins and Furans and Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxins and furans anc

Qualifiers:

U = Not detected above reporting limit

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.

q - The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion r

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SS-95	SB-159	SB-159	SB-160	SB-160	SB-169	SB-169
				Sample Date	11/6/2008	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/14/2015	8/14/2015
				Sample Depth (ft bgs)	0 - 2	0-2	2-4	0-2	2	0-2	2-4
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
Aroclors											
Aroclor 1016	mg/kg	--	--	--	< 0.038	--	--	--	--	--	--
Aroclor 1221	mg/kg	--	--	--	< 0.077	--	--	--	--	--	--
Aroclor 1232	mg/kg	--	--	--	< 0.038	--	--	--	--	--	--
Aroclor 1242	mg/kg	--	--	--	< 0.038	--	--	--	--	--	--
Aroclor 1248	mg/kg	--	--	--	< 0.038	--	--	--	--	--	--
Aroclor 1254	mg/kg	1.55	1.55	--	**0.18**	**0.040**	< 0.040 U	**0.17**	**0.017 J**	< 0.039 U	< 0.040 U
Aroclor 1260	mg/kg	1.55	1.55	--	**0.094**	**0.017 JP**	< 0.040 U	**0.088**	< 0.045 U	< 0.039 U	< 0.040 U
Aroclor 1262	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	mg/kg	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	**0.000014 B**	**0.00000078 JB**	**0.000010 B**	**0.0000020 JB**	**0.0000059 JB**	**0.00000025 JB**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	mg/kg	--	--	0.00000001	--	**0.000071**	**0.000016**	**0.000061**	**0.000078**	**0.000071 B**	**0.000047 B**
1,2,3,4,7,8,9-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	--	< 0.0000058 U	< 0.0000059 U	< 0.0000058 U	< 0.0000070 U	< 0.0000060 U	< 0.0000061 U
1,2,3,4,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	**0.0000012 J**	< 0.0000059 U	**0.0000012 J**	< 0.0000070 U	**0.00000063 J**	**0.00000034 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	**0.00000052 J**	**0.00000020 J**	**0.00000072 J**	**0.00000068 J**	**0.00000058 J**	**0.00000046 J**
1,2,3,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	**0.00000081 J**	< 0.0000059 U	**0.00000059 J**	< 0.0000070 U	**0.00000033 J**	**0.000000061 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	**0.0000019 J**	**0.00000029 J**	**0.0000016 J**	**0.0000013 J**	**0.0000014 J**	**0.00000051 J**
1,2,3,7,8,9-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	< 0.0000058 U	< 0.0000059 U	< 0.0000058 U	< 0.0000070 U	< 0.0000060 U	< 0.0000061 U
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	--	**0.0000018 J**	**0.00000058 J**	**0.0000018 J**	**0.0000032 J**	**0.0000011 J**	**0.0000012 J**
1,2,3,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.00000003	--	< 0.0000058 U	< 0.0000059 U	**0.00000021 J**	< 0.0000070 U	< 0.0000060 U	< 0.0000061 U
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	mg/kg	--	--	0.000001	--	**0.00000040 J**	< 0.0000059 U	< 0.0000058 U	**0.00000066 J**	**0.00000032 J**	**0.00000025 J**
2,3,4,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	--	**0.00000057 J**	< 0.0000059 U	**0.00000034 J**	< 0.0000070 U	**0.00000035 J**	< 0.0000061 U
2,3,4,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.0000003	--	**0.00000048 J**	< 0.0000059 U	**0.00000039 J**	< 0.0000070 U	**0.00000033 J**	< 0.0000061 U
2,3,7,8-Tetrachlorodibenzofuran	mg/kg	--	--	0.0000001	--	**0.00000087 J**	< 0.0000012 U	**0.0000011 J**	**0.00000016 J**	**0.00000030 J**	< 0.0000012 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	mg/kg	--	--	0.000001	--	< 0.0000012 U	< 0.0000012 U	**0.00000015 J**	< 0.0000014 U	**0.000000076 J**	**0.000000074 J**
Heptachlorodibenzofurans	mg/kg	--	--	0.00000001	--	**0.000046 B**	**0.0000035 JB**	**0.000034 B**	**0.0000067 JB**	**0.000019 B**	**0.00000068 JB**
Heptachlorodibenzo-p-dioxins	mg/kg	--	--	0.00000001	--	**0.00040 B**	**0.000057 B**	**0.00016 B**	**0.00024 B**	**0.00014 B**	**0.00012 B**
Hexachlorodibenzofurans	mg/kg	--	--	0.0000001	--	**0.000017 q**	**0.00000077 J**	**0.000011 q**	**0.0000019 J**	**0.000010**	**0.00000054 J**
Hexachlorodibenzo-p-dioxins	mg/kg	--	--	0.0000001	--	**0.000027 q**	**0.0000085 q**	**0.000021**	**0.000038 q**	**0.000013**	**0.000017**
Octachlorodibenzofuran	mg/kg	--	--	3E-10	--	**0.000048**	**0.0000039 J**	**0.000041**	**0.0000072 J**	**0.000016 B**	**0.00000088 JB**
Octachlorodibenzo-p-dioxin	mg/kg	--	--	3E-10	--	**0.0013 B**	**0.0022 G**	**0.0060 EB**	**0.018 EB**	**0.011 EB**	**0.010 EB**
Pentachlorodibenzofurans, Total	mg/kg	--	--	0.00000003	--	**0.0000091 q**	**0.00000023 J**	**0.0000058 q**	**0.0000011 J**	**0.0000067**	**0.00000032 J**
Pentachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	--	**0.0000021 J**	**0.00000075 J**	**0.0000017 J**	**0.0000052 J**	**0.0000027 J**	**0.0000020 J**
Tetrachlorodibenzofuran	mg/kg	--	--	--	--	--	--	--	--	**0.0000038**	**0.000000089 J**
Tetrachlorodibenzofurans, Total	mg/kg	--	--	0.0000001	--	**0.0000057**	< 0.0000012 U	**0.0000049 q**	**0.00000037 J**	--	--
Tetrachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	--	**0.00000070 JB**	**0.00000020 JB**	**0.00000070 JB**	**0.0000023 B**	**0.00000081 J**	**0.00000026 J**
TEQ of dioxins and furans	mg/kg	--	--	--	--	--	--	--	--	--	--
Dioxin-like PCBs											
PCB-105	mg/kg	--	--	3E-11	--	**0.0022 G**	**0.00025 G**	**0.0050 G**	**0.00044 G**	**0.000021 B**	**0.000016 B**
PCB-114	mg/kg	--	--	3E-11	--	**0.00011 G**	**0.000012 G**	**0.00024 G**	**0.000024 G**	**0.00000093 J**	**0.00000098 J**
PCB-118	mg/kg	--	--	3E-11	--	**0.0053 EB**	**0.00060 G**	**0.013 EB**	**0.0011 G**	**0.000046 B**	**0.000039 B**
PCB-123	mg/kg	--	--	3E-11	--	**0.00014 G**	**0.000016 G**	**0.00023 G**	**0.000022 G**	**0.0000012 J**	**0.0000011 J**
PCB-126	mg/kg	--	--	0.0000001	--	< 0.000085 U	**0.000024 G**	**0.00031 G**	**0.000028 G**	**0.0000019 J**	< 0.0000025 U
PCB-156/157	mg/kg	--	--	3E-11	--	**0.0022 G**	**0.00018**	**0.0032 G**	**0.00032**	**0.000016 B**	**0.000011 B**
PCB-167	mg/kg	--	--	3E-11	--	**0.0011 G**	**0.000075**	**0.0015 G**	**0.00013**	**0.0000054**	**0.0000031**
PCB-169	mg/kg	--	--	0.00000003	--	< 0.000018 U	< 0.0000024 U	< 0.000016 U	< 0.0000033 U	< 0.0000024 U	< 0.0000025 U
PCB-189	mg/kg	--	--	3E-11	--	**0.00014**	**0.0000091**	**0.00016**	**0.000017**	**0.00000081 J**	**0.00000049 J**
PCB-77	mg/kg	--	--	1E-10	--	**0.00023 G**	**0.000058**	**0.00073 G**	**0.000052**	**0.0000011 J**	**0.00000039 J**
PCB-81	mg/kg	--	--	3E-10	--	< 0.0000084 U	**0.0000024**	**0.000062 G**	**0.0000042**	< 0.0000024 U	< 0.0000025 U
TEQ of dioxin-like PCBs	mg/kg	--	--	--		--	--	--	--	--	--
TEQ of dioxins and furans and dioxin-like PCBs	mg/kg	0.000115	0.00044	--	--	**0.0000085**	**0.0000049**	**0.000039**	**0.000014**	**0.0000057**	**0.0000059**
Non-Dioxin-like PCBs											
PCB-1	mg/kg	--	--	--	--	**0.000020 J**	**0.000011 J**	**0.000012 J**	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-10	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-103	mg/kg	--	--	--	--	< 0.000069 U	< 0.000024 U	< 0.00018 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-104	mg/kg	--	--	--	--	**0.00000025 J**	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-106	mg/kg	--	--	--	--	< 0.000061 U	< 0.000024 U	< 0.00016 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-107	mg/kg	--	--	--	--	**0.00035 G**	**0.000027 J**	**0.00072 G**	**0.000057**	--	--
PCB-107/124	mg/kg	--	--	--	--	--	--	--	--	**0.0000024 J**	**0.0000020 J**
PCB-109	mg/kg	--	--	--	--	**0.00041 G**	**0.000045**	**0.00095 G**	**0.000080**	**0.0000042 J**	**0.0000021 J**
PCB-11	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	**0.000010 J**	**0.0000091 J**
PCB-110	mg/kg	--	--	--	--	**0.0062 EB**	**0.00083 B**	**0.020 G**	**0.0014 B**	--	--
PCB-110/115	mg/kg	--	--	--	--	--	--	--	--	**0.000055 B**	**0.000073 B**
PCB-111	mg/kg	--	--	--	--	< 0.000051 U	< 0.000024 U	< 0.00013 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-112	mg/kg	--	--	--	--	< 0.000051 U	< 0.000024 U	< 0.00013 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-12	mg/kg	--	--	--	--	< 0.000046 U	< 0.000048 U	< 0.000047 U	< 0.000055 U	--	--
PCB-115	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-12/13	mg/kg	--	--	--	--	--	--	--	--	< 0.000049 U	< 0.000049 U
PCB-120	mg/kg	--	--	--	--	< 0.000055 U	< 0.000024 U	< 0.00015 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-121	mg/kg	--	--	--	--	< 0.000054 U	< 0.000024 U	< 0.00014 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-122	mg/kg	--	--	--	--	< 0.000065 U	**0.000016 J**	**0.00022 G**	**0.000021 J**	**0.0000012 J**	**0.0000011 J**
PCB-127	mg/kg	--	--	--	--	< 0.000067 U	< 0.000024 U	< 0.00018 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-128	mg/kg	--	--	--	--	**0.0045 G**	**0.00033**	**0.0065 G**	**0.00060**	--	--
PCB-128/162	mg/kg	--	--	--	--	--	--	--	--	**0.000022 J**	**0.000014 J**
PCB-128/166	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-129	mg/kg	--	--	--	--	**0.026 EB**	**0.0017 B**	**0.032 G**	**0.0031 B**	--	--
PCB-129/138/163	mg/kg	--	--	--	--	--	--	--	--	**0.00010 B**	**0.000075 B**
PCB-130	mg/kg	--	--	--	--	**0.0015 G**	**0.00011**	**0.0021 G**	**0.00020**	**0.0000065 J**	**0.0000053 J**
PCB-131	mg/kg	--	--	--	--	**0.00014 G**	< 0.000024 U	**0.00036 G**	**0.000027 J**	< 0.000024 U	< 0.000025 U
PCB-132	mg/kg	--	--	--	--	**0.0046 EB**	**0.00036 B**	**0.0085 G**	**0.00071 B**	**0.000017 JB**	**0.000021 JB**
PCB-133	mg/kg	--	--	--	--	**0.00029 G**	**0.000014 J**	**0.00031 G**	**0.000028**	**0.00000086 J**	**0.00000068 J**
PCB-134	mg/kg	--	--	--	--	**0.00094 G**	**0.000057**	**0.0014 G**	**0.00013**	--	--
PCB-134/143	mg/kg	--	--	--	--	--	--	--	--	**0.0000026 J**	**0.0000035 J**
PCB-135	mg/kg	--	--	--	--	**0.0045 G**	**0.00022**	**0.0050 G**	**0.00045**	--	--
PCB-135/151	mg/kg	--	--	--	--	--	--	--	--	**0.000010 J**	**0.000010 J**
PCB-136	mg/kg	--	--	--	--	**0.0018 G**	**0.000086 B**	**0.0023 G**	**0.00018 B**	**0.0000045 J**	**0.0000055 J**
PCB-137	mg/kg	--	--	--	--	**0.0017 G**	**0.00010**	**0.0021 G**	**0.00019**	**0.0000059 J**	**0.0000047 J**
PCB-139	mg/kg	--	--	--	--	**0.00047 G**	**0.000024 J**	**0.00053 G**	**0.000045 J**	--	--
PCB-139/140	mg/kg	--	--	--	--	--	--	--	--	**0.00000097 J**	**0.0000010 J**
PCB-14	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-141	mg/kg	--	--	--	--	**0.0027 G**	**0.00019**	**0.0040 G**	**0.00038**	**0.0000090 J**	**0.000010 J**
PCB-142	mg/kg	--	--	--	--	< 0.000086 U	< 0.000024 U	< 0.00012 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-144	mg/kg	--	--	--	--	**0.00038 G**	**0.000026**	**0.00075 G**	**0.000057**	**0.0000010 J**	**0.0000015 J**
PCB-145	mg/kg	--	--	--	--	< 0.000060 U	< 0.000024 U	< 0.000081 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-146	mg/kg	--	--	--	--	**0.0031 G**	**0.00017**	**0.0035 G**	**0.00032**	**0.000010 J**	**0.0000081 J**
PCB-147	mg/kg	--	--	--	--	**0.0091 EB**	**0.00058 B**	**0.014 G**	**0.0012 B**	--	--
PCB-147/149	mg/kg	--	--	--	--	--	--	--	--	**0.000032 JB**	**0.000033 JB**
PCB-148	mg/kg	--	--	--	--	< 0.000080 U	< 0.000024 U	< 0.00011 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-15	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-150	mg/kg	--	--	--	--	< 0.000056 U	< 0.000024 U	< 0.000076 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-152	mg/kg	--	--	--	--	< 0.000060 U	< 0.000024 U	< 0.000082 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-153	mg/kg	--	--	--	--	**0.011 EB**	**0.00074 B**	**0.016 G**	**0.0014 B**	--	--
PCB-153/168	mg/kg	--	--	--	--	--	--	--	--	**0.000049 B**	**0.000040 JB**
PCB-154	mg/kg	--	--	--	--	< 0.000072 U	< 0.000024 U	< 0.000097 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-155	mg/kg	--	--	--	--	< 0.000053 U	< 0.000024 U	< 0.000099 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-158	mg/kg	--	--	--	--	**0.0019 G**	**0.00018**	**0.0030 G**	**0.00031**	**0.000011 J**	**0.0000091 J**
PCB-159	mg/kg	--	--	--	--	**0.000055**	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-16	mg/kg	--	--	--	--	**0.0000033 J**	< 0.000024 U	**0.000011 J**	< 0.000028 U	< 0.000024 U	**0.00000054 J**
PCB-160	mg/kg	--	--	--	--	< 0.000078 U	< 0.000024 U	< 0.00010 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-161	mg/kg	--	--	--	--	< 0.000064 U	< 0.000024 U	< 0.000086 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-162	mg/kg	--	--	--	--	**0.00014**	**0.0000087 J**	**0.00018**	**0.000017 J**	**0.00000075 J**	< 0.000025 U
PCB-164	mg/kg	--	--	--	--	**0.0017 G**	**0.00011**	**0.0020 G**	**0.00020**	**0.0000062 J**	**0.0000048 J**
PCB-165	mg/kg	--	--	--	--	< 0.000074 U	< 0.000024 U	< 0.00010 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-17	mg/kg	--	--	--	--	**0.0000028 J**	< 0.000024 U	**0.0000092 J**	< 0.000028 U	**0.00000046 J**	**0.00000039 J**
PCB-170	mg/kg	--	--	--	--	**0.0037 E**	**0.00023**	**0.0049 E**	**0.00047**	**0.000017 J**	**0.0000094 J**
PCB-171	mg/kg	--	--	--	--	**0.0011**	**0.000062**	**0.0014**	**0.00012**	--	--
PCB-171/173	mg/kg	--	--	--	--	--	--	--	--	**0.0000043 J**	**0.0000029 J**
PCB-172	mg/kg	--	--	--	--	**0.00050**	**0.000032**	**0.00068**	**0.000064**	**0.0000026 J**	**0.0000015 J**
PCB-174	mg/kg	--	--	--	--	**0.0024 E**	**0.00013**	**0.0030 E**	**0.00029**	**0.0000099 J**	**0.0000068 J**
PCB-175	mg/kg	--	--	--	--	**0.00010**	**0.0000061 J**	**0.00012**	**0.000013 J**	**0.00000036 J**	**0.00000025 J**
PCB-176	mg/kg	--	--	--	--	**0.00022**	**0.000011 J**	**0.00026**	**0.000026 J**	**0.00000080 J**	**0.00000076 J**
PCB-177	mg/kg	--	--	--	--	**0.0015**	**0.000084**	**0.0019**	**0.00017**	**0.0000072 J**	**0.0000047 J**
PCB-178	mg/kg	--	--	--	--	**0.00033**	**0.000020 J**	**0.00039**	**0.000040**	**0.0000018 J**	**0.0000011 J**
PCB-179	mg/kg	--	--	--	--	**0.00068**	**0.000032**	**0.00073**	**0.000072**	**0.0000028 J**	**0.0000022 J**
PCB-18	mg/kg	--	--	--	--	**0.0000071 J**	< 0.000048 U	**0.000022 J**	**0.0000024 J**	--	--
PCB-18/30	mg/kg	--	--	--	--	--	--	--	--	**0.00000047 J**	**0.00000053 J**
PCB-180	mg/kg	--	--	--	--	**0.0052 EB**	**0.00033 B**	**0.0070 E**	**0.00069 B**	--	--
PCB-180/193	mg/kg	--	--	--	--	--	--	--	--	**0.000031 JB**	**0.000016 JB**
PCB-181	mg/kg	--	--	--	--	**0.000078**	**0.0000038 J**	**0.000090**	**0.0000088 J**	< 0.000024 U	< 0.000025 U
PCB-182	mg/kg	--	--	--	--	**0.000021 J**	**0.0000018 J**	**0.000020 J**	**0.0000027 J**	< 0.000024 U	< 0.000025 U
PCB-183	mg/kg	--	--	--	--	**0.0013**	**0.000068**	**0.0016**	**0.00015**	**0.0000052 J**	**0.0000042 J**
PCB-184	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-185	mg/kg	--	--	--	--	**0.00018**	**0.000012 J**	**0.00023**	**0.000024 J**	**0.00000069 J**	< 0.000025 U
PCB-186	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-187	mg/kg	--	--	--	--	**0.0018**	**0.00011**	**0.0022**	**0.00025**	**0.000012 J**	**0.0000061 J**

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SS-95	SB-159	SB-159	SB-160	SB-160	SB-169	SB-169
				Sample Date	11/6/2008	8/11/2015	8/11/2015	8/11/2015	8/11/2015	8/14/2015	8/14/2015
				Sample Depth (ft bgs)	0 - 2	0-2	2-4	0-2	2	0-2	2-4
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
PCB-188	mg/kg	--	--	--	--	**0.0000051 J**	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-19	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-190	mg/kg	--	--	--	--	**0.00059**	**0.000038**	**0.00079**	**0.000078**	**0.0000032 J**	**0.0000018 J**
PCB-191	mg/kg	--	--	--	--	**0.00013**	**0.0000096 J**	**0.00018**	**0.000018 J**	**0.00000077 J**	**0.00000040 J**
PCB-192	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-194	mg/kg	--	--	--	--	**0.00054**	**0.000035**	**0.00075**	**0.00010**	**0.0000078 J**	**0.0000023 J**
PCB-195	mg/kg	--	--	--	--	**0.00021**	**0.000013 J**	**0.00027**	**0.000033**	**0.0000023 J**	**0.00000096 J**
PCB-196	mg/kg	--	--	--	--	**0.00027**	**0.000018 J**	**0.00036**	**0.000053**	**0.0000032 J**	< 0.000025 U
PCB-197	mg/kg	--	--	--	--	**0.000017 J**	**0.00000087 J**	**0.000021 J**	**0.0000029 J**	**0.00000019 J**	< 0.000025 U
PCB-198	mg/kg	--	--	--	--	**0.00052**	**0.000036 J**	**0.00071**	**0.00011**	--	--
PCB-198/199	mg/kg	--	--	--	--	--	--	--	--	**0.000011 J**	< 0.000049 U
PCB-2	mg/kg	--	--	--	--	**0.0000080 J**	**0.0000039 J**	**0.0000062 J**	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-20	mg/kg	--	--	--	--	**0.000012 J**	< 0.000048 U	**0.000037 J**	< 0.000055 U	--	--
PCB-20/28	mg/kg	--	--	--	--	--	--	--	--	**0.0000020 JB**	**0.0000013 JB**
PCB-200	mg/kg	--	--	--	--	**0.000060**	**0.0000039 J**	**0.000073**	**0.000012 J**	**0.00000067 J**	< 0.000025 U
PCB-201	mg/kg	--	--	--	--	**0.000060**	**0.0000035 J**	**0.000074**	**0.000012 J**	**0.00000096 J**	< 0.000025 U
PCB-202	mg/kg	--	--	--	--	**0.000083**	**0.0000053 J**	**0.00011**	**0.000021 J**	**0.0000029 J**	< 0.000025 U
PCB-203	mg/kg	--	--	--	--	**0.00035**	**0.000024**	**0.00047**	**0.000077**	**0.0000065 J**	< 0.000025 U
PCB-204	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-205	mg/kg	--	--	--	--	**0.000031**	**0.0000021 J**	**0.000037**	**0.0000049 J**	**0.00000055 J**	< 0.000025 U
PCB-206	mg/kg	--	--	--	--	**0.00023**	**0.000015 J**	**0.00027**	**0.000061**	**0.000014 JB**	**0.0000011 JB**
PCB-207	mg/kg	--	--	--	--	**0.000027**	**0.0000017 J**	**0.000032**	**0.0000070 J**	**0.0000013 J**	< 0.000025 U
PCB-208	mg/kg	--	--	--	--	**0.000059**	**0.0000039 J**	**0.000061**	**0.000014 J**	**0.0000064 J**	**0.00000050 J**
PCB-21	mg/kg	--	--	--	--	**0.0000050 J**	< 0.000048 U	**0.000020 J**	< 0.000055 U	--	--
PCB-21/33	mg/kg	--	--	--	--	--	--	--	--	**0.00000068 JB**	**0.00000057 JB**
PCB-22	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	**0.000012 J**	< 0.000028 U	< 0.000024 U	**0.00000039 JB**
PCB-23	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-24	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-25	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-26	mg/kg	--	--	--	--	< 0.000046 U	< 0.000048 U	**0.0000068 J**	< 0.000055 U	--	--
PCB-26/29	mg/kg	--	--	--	--	--	--	--	--	< 0.000049 U	< 0.000049 U
PCB-27	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	**0.0000019 J**	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-3	mg/kg	--	--	--	--	**0.0000084 J**	**0.0000017 J**	**0.0000034 J**	< 0.000028 U	< 0.000024 U	**0.00000053 J**
PCB-31	mg/kg	--	--	--	--	**0.000019 J**	< 0.000024 U	**0.000057**	< 0.000028 U	**0.0000011 JB**	**0.00000093 JB**
PCB-32	mg/kg	--	--	--	--	**0.0000023 J**	< 0.000024 U	**0.0000070 J**	**0.00000097 J**	**0.00000036 J**	**0.00000043 J**
PCB-34	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-35	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-36	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-37	mg/kg	--	--	--	--	**0.000020 J**	< 0.000024 U	**0.000041**	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-38	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-39	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-4	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-40	mg/kg	--	--	--	--	**0.000061**	**0.0000091 J**	< 0.000047 U	**0.000016 J**	--	--
PCB-40/71	mg/kg	--	--	--	--	--	--	--	--	**0.00000057 J**	**0.0000015 J**
PCB-41	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	**0.00023**	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-42	mg/kg	--	--	--	--	**0.000022 J**	**0.0000029 J**	**0.000086**	**0.0000061 J**	**0.00000030 JB**	**0.00000059 JB**
PCB-43	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-44	mg/kg	--	--	--	--	**0.00039 B**	**0.000043 JB**	**0.0015 B**	**0.00011 B**	--	--
PCB-44/47/65	mg/kg	--	--	--	--	--	--	--	--	**0.000013 JB**	**0.0000083 JB**
PCB-45	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	**0.00000035 J**
PCB-46	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-48	mg/kg	--	--	--	--	**0.000013 J**	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-49	mg/kg	--	--	--	--	**0.00019 B**	**0.000020 JB**	**0.00065 B**	**0.000047 JB**	--	--
PCB-49/69	mg/kg	--	--	--	--	--	--	--	--	**0.0000022 JB**	**0.0000038 JB**
PCB-5	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-50	mg/kg	--	--	--	--	**0.000023 J**	**0.0000029 J**	**0.000091**	**0.0000064 J**	--	--
PCB-50/53	mg/kg	--	--	--	--	--	--	--	--	**0.00000031 J**	**0.00000075 J**
PCB-51	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	**0.000013 JB**	**0.00000056 JB**
PCB-52	mg/kg	--	--	--	--	**0.0013 B**	**0.00013 B**	**0.0050 E**	**0.00035 B**	**0.0000089 JB**	**0.000022 JB**
PCB-54	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-55	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	**0.000043**	< 0.000024 U	< 0.000025 U
PCB-56	mg/kg	--	--	--	--	**0.00012**	**0.000011 J**	**0.00032**	**0.000027 J**	**0.0000010 J**	**0.0000016 J**
PCB-57	mg/kg	--	--	--	--	**0.000050**	**0.0000070 J**	< 0.000024 U	**0.000013 J**	< 0.000024 U	< 0.000025 U
PCB-58	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	**0.00029**	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-59	mg/kg	--	--	--	--	< 0.000070 U	< 0.000072 U	< 0.000071 U	< 0.000083 U	--	--
PCB-59/62/75	mg/kg	--	--	--	--	--	--	--	--	< 0.000073 U	< 0.000074 U
PCB-6	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-60	mg/kg	--	--	--	--	**0.000045**	**0.0000036 J**	**0.00010**	**0.0000084 J**	< 0.000024 U	**0.00000075 J**
PCB-61	mg/kg	--	--	--	--	**0.0012 B**	**0.00011 B**	**0.0035 B**	**0.00019 B**	--	--
PCB-61/70/74/76	mg/kg	--	--	--	--	--	--	--	--	**0.0000099 JB**	**0.000017 JB**
PCB-63	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-64	mg/kg	--	--	--	--	**0.00012**	**0.000012 J**	**0.00037**	**0.000026 J**	**0.0000014 J**	**0.0000022 J**
PCB-66	mg/kg	--	--	--	--	**0.00033**	**0.000031**	**0.00082**	< 0.000028 U	**0.0000030 JB**	**0.0000040 JB**
PCB-67	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-68	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	**0.0000050 JB**	**0.00000045 JB**
PCB-7	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-72	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-73	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-78	mg/kg	--	--	--	--	< 0.000023 U	**0.0000017 J**	**0.000063**	**0.0000032 J**	< 0.000024 U	< 0.000025 U
PCB-79	mg/kg	--	--	--	--	**0.000050**	**0.0000075 J**	**0.00023**	**0.000015 J**	< 0.000024 U	**0.0000012 J**
PCB-8	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-80	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-82	mg/kg	--	--	--	--	**0.00046 G**	**0.000064**	**0.0018 G**	**0.00012**	**0.0000031 J**	**0.0000019 J**
PCB-83	mg/kg	--	--	--	--	**0.00021 G**	**0.000030**	**0.00066 G**	**0.000043**	< 0.000024 U	**0.0000013 J**
PCB-84	mg/kg	--	--	--	--	**0.00095 G**	**0.00011 B**	**0.0041 G**	**0.00017 B**	**0.0000041 J**	**0.000011 J**
PCB-85	mg/kg	--	--	--	--	**0.00085**	**0.000087**	**0.0028 G**	**0.00016**	--	--
PCB-85/116/117	mg/kg	--	--	--	--	--	--	--	--	**0.0000075 J**	**0.0000070 J**
PCB-86	mg/kg	--	--	--	--	**0.0029 B**	**0.00034 B**	**0.011 G**	**0.00071 B**	--	--
PCB-86/87/97/108/119/125	mg/kg	--	--	--	--	--	--	--	--	**0.000016 JB**	**0.000022 JB**
PCB-88	mg/kg	--	--	--	--	**0.00048 G**	**0.000056**	**0.0019 G**	**0.000067**	--	--
PCB-88/91	mg/kg	--	--	--	--	--	--	--	--	**0.0000029 J**	**0.0000044 J**
PCB-89	mg/kg	--	--	--	--	< 0.000080 U	< 0.000024 U	< 0.00021 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-9	mg/kg	--	--	--	--	< 0.000023 U	< 0.000024 U	< 0.000024 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-90	mg/kg	--	--	--	--	**0.0043 B**	**0.00048 B**	**0.015 G**	**0.00098 B**	--	--
PCB-90/101/113	mg/kg	--	--	--	--	--	--	--	--	**0.000023 JB**	**0.000041 JB**
PCB-92	mg/kg	--	--	--	--	**0.00098 G**	**0.00010 B**	**0.0030 G**	**0.00020 B**	**0.0000049 J**	**0.0000084 J**
PCB-93	mg/kg	--	--	--	--	< 0.000074 U	< 0.000048 U	< 0.00019 U	< 0.000055 U	--	--
PCB-93/100	mg/kg	--	--	--	--	--	--	--	--	< 0.000049 U	< 0.000049 U
PCB-94	mg/kg	--	--	--	--	< 0.000078 U	< 0.000024 U	< 0.00020 U	< 0.000028 U	< 0.000024 U	< 0.000025 U
PCB-95	mg/kg	--	--	--	--	**0.0025 EB**	**0.00032 B**	**0.011 G**	**0.00051 B**	**0.000016 JB**	**0.000031 B**
PCB-96	mg/kg	--	--	--	--	**0.000017 J**	**0.0000023 J**	**0.000061**	**0.0000037 J**	< 0.000024 U	**0.00000022 J**
PCB-98	mg/kg	--	--	--	--	< 0.000067 U	< 0.000048 U	< 0.00018 U	< 0.000055 U	--	--
PCB-98/102	mg/kg	--	--	--	--	--	--	--	--	< 0.000049 U	< 0.000049 U
PCB-99	mg/kg	--	--	--	--	**0.0021 G**	**0.00021 B**	**0.0068 G**	**0.00043 B**	**0.000012 JB**	**0.000018 JB**
PCB-209 (Decachlorobiphenyl)	mg/kg	--	--	--	--	**0.000065**	**0.0000038 J**	**0.000035**	**0.0000070 J**	**0.000017 JB**	**0.00000065 JB**
Total Non-Dioxin-like PCBs	mg/kg	1.55	4.4	--	--	0.13695525	0.01070037	0.2511975	0.02049167	0.00076696	0.00068639

Notes:

Bolded values indicated detections

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs,
both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

< = Concentration is less than the reporting limit

-- Not Analyzed / No Standard

ft bgs = feet below ground surface

RRS = Risk Reduction Standard

TEF = Toxic Equivalency Factor

TEQ = Toxic Equivalency

mg/kg = milligrams per kilogram

TEQ of Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxin-like PCBs.

TEQ of Dioxins and Furans and Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxins and furans anc

Qualifiers:

U = Not detected above reporting limit

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.

q - The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion r

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-170	SB-171	SB-172	SB-200	SB-200	SB-201	SB-201
				Sample Date	8/14/2015	8/14/2015	8/14/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015
				Sample Depth (ft bgs)	0-2	0-2	0-2	0-2	2-4	0-2	2-4
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
Aroclors											
Aroclor 1016	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1221	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1232	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1242	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1248	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1254	mg/kg	1.55	1.55	--	0.067	< 0.047 U	0.16	0.056	< 0.039 U	0.17	0.018 J
Aroclor 1260	mg/kg	1.55	1.55	--	0.013 JP	< 0.047 U	0.032 J	0.033 J	< 0.039 U	0.045	< 0.038 U
Aroclor 1262	mg/kg	--	--	--	--	--	--	--	--	--	--
Aroclor 1268	mg/kg	--	--	--	--	--	--	--	--	--	--
Dioxins and Furans											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	0.000017 B	0.000060 B	0.000012 B	0.0000048 J	0.00000066 J	0.0000042 J	0.00000014 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	mg/kg	--	--	0.00000001	0.000076 B	0.00021 B	0.000064 B	0.00015	0.00020	0.000070	0.000024
1,2,3,4,7,8,9-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	0.0000011 J	< 0.000036 U	0.00000084 J	< 0.0000061 U	< 0.0000060 U	< 0.0000059 U	< 0.0000058 U
1,2,3,4,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	0.0000014 J	0.0000037 J	0.0000012 J	0.00000085 J	< 0.0000060 U	0.0000018 J	< 0.0000058 U
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	0.00000092 J	0.0000029 J	0.0000014 J	0.00000057 J	0.00000056 J	0.00000048 J	0.00000020 J
1,2,3,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	0.0000011 J	0.0000032 J	0.00000073 J	0.00000031 J	0.00000015 J	0.00000062 J	< 0.0000058 U
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	0.0000027 J	0.0000070 J	0.0000027 J	0.0000015 J	0.0000011 J	0.0000023 J	0.00000041 J
1,2,3,7,8,9-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	< 0.0000059 U	< 0.000036 U	< 0.0000060 U	< 0.0000061 U	< 0.0000060 U	< 0.0000059 U	< 0.0000058 U
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	0.0000029 J	0.0000077 J	0.0000049 J	0.0000039 J	0.000012	0.0000027 J	0.0000013 J
1,2,3,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.00000003	0.00000043 J	< 0.000036 U	0.00000061 J	0.00000016 J	< 0.0000060 U	0.00000035 J	< 0.0000058 U
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	mg/kg	--	--	0.000001	0.00000056 J	< 0.000036 U	0.00000071 J	0.00000030 J	0.00000030 J	0.00000035 J	< 0.0000058 U
2,3,4,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	0.00000098 J	0.0000033 J	0.00000049 J	0.00000014 J	< 0.0000060 U	0.00000027 J	< 0.0000058 U
2,3,4,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.0000003	0.00000066 J	0.0000017 J	0.00000070 J	0.00000021 J	< 0.0000060 U	0.00000065 J	< 0.0000058 U
2,3,7,8-Tetrachlorodibenzofuran	mg/kg	--	--	0.0000001	0.00000077 J	0.0000030 J	0.0000015	0.00000060 J	0.00000012 J	0.0000019	0.000000056 J
2,3,7,8-Tetrachlorodibenzo-p-dioxin	mg/kg	--	--	0.000001	0.000000076 J	< 0.0000072 U	0.00000013 J	< 0.0000012 U	0.00000011 J	< 0.0000012 U	< 0.0000012 U
Heptachlorodibenzofurans	mg/kg	--	--	0.00000001	0.000048 B	0.00014 B	0.000028 B	0.000025	0.0000036 J	0.000014	0.00000034 J
Heptachlorodibenzo-p-dioxins	mg/kg	--	--	0.00000001	0.00017 B	0.00043 B	0.00019 B	0.00096 B	0.00051 B	0.00057 B	0.00010 B
Hexachlorodibenzofurans	mg/kg	--	--	0.0000001	0.000020	0.000070	0.000013	0.0000061 Q	0.00000045 J	0.0000069 Q	< 0.0000058 U
Hexachlorodibenzo-p-dioxins	mg/kg	--	--	0.0000001	0.000027	0.000064	0.000055	0.000042 Q	0.000055 Q	0.000061 Q	0.000019 Q
Octachlorodibenzofuran	mg/kg	--	--	3E-10	0.000035 B	0.00010 B	0.000020 B	0.000048 B	0.0000081 JB	0.000022 B	0.00000097 JB
Octachlorodibenzo-p-dioxin	mg/kg	--	--	3E-10	0.0016 B	0.0032 B	0.0010 B	0.015 B	0.016 B	0.0081 B	0.0032 B
Pentachlorodibenzofurans, Total	mg/kg	--	--	0.00000003	0.000010	0.000039	0.0000065	0.0000027 J	< 0.0000060 U	0.0000053 J	0.00000026 J
Pentachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	0.0000062	0.0000054 J	0.0000073	0.0000026 J	0.0000030 J	0.0000054 J	0.0000025 J
Tetrachlorodibenzofuran	mg/kg	--	--	--	0.0000071	0.000024	0.0000092	0.0000031 Q	0.00000029 J	0.0000094 Q	0.000000056 J
Tetrachlorodibenzofurans, Total	mg/kg	--	--	0.0000001	--	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	0.0000036	0.0000015 J	0.0000061	0.00000056 J	0.00000037 J	0.0000029 Q	0.0000012 Q
TEQ of dioxins and furans	mg/kg	--	--	--	--	--	--	--	--	--	--
Dioxin-like PCBs											
PCB-105	mg/kg	--	--	3E-11	0.0027 EB	0.018 B	0.0011 B	0.0028 B	0.00073 B	0.030 B	0.00018 B
PCB-114	mg/kg	--	--	3E-11	0.00014 G	0.00062 G	0.000035 G	0.00016 G	< 0.000049 U	0.0021 G	0.000012 G
PCB-118	mg/kg	--	--	3E-11	0.0061 EB	0.040 EB	0.0026 B	0.0066 B	0.0016 B	0.069 EB	0.00044 B
PCB-123	mg/kg	--	--	3E-11	0.00011 G	0.00060 G	0.000038 G	0.00011 G	< 0.000047 U	0.0011 G	0.0000084 G
PCB-126	mg/kg	--	--	0.0000001	< 0.000084 U	< 0.00037 U	< 0.000042 U	< 0.00019 U	< 0.00010 U	< 0.0016 U	< 0.000011 U
PCB-156/157	mg/kg	--	--	3E-11	0.0016 B	0.0067 B	0.00057 B	0.0014 B	0.00037 B	0.013 B	0.000096 B
PCB-167	mg/kg	--	--	3E-11	0.00047 G	0.0019 G	0.00017	0.00045	0.00011	0.0034 G	0.000026
PCB-169	mg/kg	--	--	0.00000003	< 0.000011 U	< 0.000064 U	< 0.000021 U	< 0.000049 U	< 0.000024 U	< 0.00021 U	< 0.0000034 U
PCB-189	mg/kg	--	--	3E-11	0.000059	0.00020	0.000022	0.000063	0.000020 J	0.00038	0.0000053
PCB-77	mg/kg	--	--	1E-10	0.000083 G	0.00080 G	0.000074	0.00013	0.000024	0.00089 G	0.0000072
PCB-81	mg/kg	--	--	3E-10	0.000027 G	< 0.00026 U	0.000014 J	< 0.000049 U	< 0.000024 U	0.00032 G	0.0000023
TEQ of dioxin-like PCBs	mg/kg	--	--	--	--	--	--	--	--	--	--
TEQ of dioxins and furans and dioxin-like PCBs	mg/kg	0.000115	0.00044	--	0.0000084	0.000054	0.0000063	0.000019	0.000016	0.000093	0.0000077
Non-Dioxin-like PCBs											
PCB-1	mg/kg	--	--	--	0.00000092 J	0.0000029 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.000027 J	0.00000039 J
PCB-10	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.000019 J	< 0.000023 U
PCB-103	mg/kg	--	--	--	< 0.000077 U	< 0.00031 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00099 U	< 0.000023 U
PCB-104	mg/kg	--	--	--	0.00000014 J	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-106	mg/kg	--	--	--	< 0.000069 U	< 0.00027 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00088 U	< 0.000023 U
PCB-107	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-107/124	mg/kg	--	--	--	0.00022 G	0.0015	0.000087 J	0.00024 J	0.000082 J	0.0027	0.000015 J
PCB-109	mg/kg	--	--	--	0.00046 G	0.0028 G	0.00018 J	0.00038 J	0.000091 J	0.0041 G	0.000024
PCB-11	mg/kg	--	--	--	0.0000075 J	0.000077 J	0.000098 J	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-110	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-110/115	mg/kg	--	--	--	0.0061 EB	0.031 B	0.0038 B	0.0097 B	0.0024 B	0.087 B	0.00063 B
PCB-111	mg/kg	--	--	--	< 0.000057 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00073 U	< 0.000023 U
PCB-112	mg/kg	--	--	--	< 0.000057 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00073 U	< 0.000023 U
PCB-12	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-115	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-12/13	mg/kg	--	--	--	< 0.000047 U	< 0.00045 U	< 0.00042 U	< 0.00098 U	< 0.00048 U	< 0.00094 U	< 0.000047 U
PCB-120	mg/kg	--	--	--	< 0.000062 U	< 0.00025 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00079 U	< 0.000023 U
PCB-121	mg/kg	--	--	--	< 0.000061 U	< 0.00024 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00078 U	< 0.000023 U
PCB-122	mg/kg	--	--	--	0.000090 G	0.00059 G	0.000048 J	0.00016 J	< 0.00024 U	0.0014 G	0.000012 J
PCB-127	mg/kg	--	--	--	< 0.000075 U	< 0.00030 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00096 U	< 0.000023 U
PCB-128	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-128/162	mg/kg	--	--	--	0.0019	0.0072	0.00065	0.0020	0.00040 J	0.016	0.000096
PCB-128/166	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-129	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-129/138/163	mg/kg	--	--	--	0.0095 EB	0.040 B	0.0034 B	0.011 B	0.0022 B	0.087 B	0.00052 B
PCB-130	mg/kg	--	--	--	0.00056 G	0.0021 G	0.00023	0.00075	0.00015 J	0.0060 G	0.000036
PCB-131	mg/kg	--	--	--	0.000095 G	0.00035 G	0.0011	0.00017 J	0.000030 J	0.0013 G	0.0000073 J
PCB-132	mg/kg	--	--	--	0.0019 B	0.0084 B	< 0.00021 U	0.0033 B	0.00064 B	0.028 B	0.00016 B
PCB-133	mg/kg	--	--	--	0.000083 G	0.00033 G	< 0.00021 U	0.000094 J	< 0.00024 U	0.00077 G	0.0000055 J
PCB-134	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-134/143	mg/kg	--	--	--	0.00036	0.017	0.000046 J	0.00066 J	0.00012 J	0.0048	0.000029 J
PCB-135	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-135/151	mg/kg	--	--	--	0.0013	0.0040	< 0.00042 U	0.0021 B	0.00044 JB	0.017 B	0.000097 B
PCB-136	mg/kg	--	--	--	0.00057	0.0021	< 0.00021 U	0.00096 B	0.00019 JB	0.0079 B	0.000044 B
PCB-137	mg/kg	--	--	--	0.00039 G	0.0019 G	0.00019 J	0.00065	0.00013 J	0.0055 G	0.000033
PCB-139	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-139/140	mg/kg	--	--	--	0.000099	0.00046	0.000035 J	0.00021 J	0.000040 J	0.0016	0.0000088 J
PCB-14	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-141	mg/kg	--	--	--	0.00095 G	0.0043 G	0.00049	0.0017	0.00037	0.014 G	0.000086
PCB-142	mg/kg	--	--	--	< 0.000026 U	< 0.00025 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00052 U	< 0.000023 U
PCB-144	mg/kg	--	--	--	< 0.000025 U	< 0.00023 U	0.0017	0.00033 J	0.000075 J	0.0023 G	0.000011 J
PCB-145	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-146	mg/kg	--	--	--	0.00092 G	0.0037 G	0.00034	0.0011	0.00023 J	0.0089 G	0.000051
PCB-147	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-147/149	mg/kg	--	--	--	0.0035 B	< 0.00045 U	< 0.00042 U	0.0058 B	0.0012 B	0.047 B	0.00027 B
PCB-148	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00048 U	< 0.000023 U
PCB-15	mg/kg	--	--	--	0.0000025 J	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-150	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-152	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-153	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-153/168	mg/kg	--	--	--	0.0052 EB	0.022 B	0.0019 B	0.0063 B	0.0012 B	0.050 B	0.00029 B
PCB-154	mg/kg	--	--	--	0.000050	0.0015	0.000049 J	0.000072 J	< 0.00024 U	0.00061	< 0.000023 U
PCB-155	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-158	mg/kg	--	--	--	0.0010	0.0038	0.00039	0.0013	0.00028	0.010	0.000067
PCB-159	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	0.000016 J	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-16	mg/kg	--	--	--	0.000012 J	0.000030 J	0.0000052 J	< 0.00049 U	< 0.00024 U	0.00064	0.0000042 J
PCB-160	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-161	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-162	mg/kg	--	--	--	0.000055	0.00020 J	0.000021 J	0.000053 J	< 0.00024 U	0.00037 J	< 0.000023 U
PCB-164	mg/kg	--	--	--	0.00049	0.0022	0.00021	0.00067	0.00014 J	0.0053	0.000033
PCB-165	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-17	mg/kg	--	--	--	0.000011 J	0.000027 J	0.0000061 J	< 0.00049 U	< 0.00024 U	0.00056 B	0.0000040 JB
PCB-170	mg/kg	--	--	--	0.0013	0.0050	0.00056	0.0013	0.00038	0.0087	0.000090
PCB-171	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-171/173	mg/kg	--	--	--	0.00038	0.0014	0.00017 J	0.00042 J	0.00010 J	0.0030	0.000025 J
PCB-172	mg/kg	--	--	--	0.00019	0.00065	0.000088 J	0.00020 J	0.000058 J	0.0012	0.000012 J
PCB-174	mg/kg	--	--	--	0.00084	0.0033	0.00046	0.0010	0.00029	0.0068	0.000063
PCB-175	mg/kg	--	--	--	0.000033	0.00011 J	0.000016 J	0.000044 J	0.000010 J	0.00033 J	0.0000019 J
PCB-176	mg/kg	--	--	--	0.000075	0.00028	0.000038 J	0.00011 J	0.000024 J	0.00083	0.0000048 J
PCB-177	mg/kg	--	--	--	0.00059	0.0021	0.00026	0.00058	0.00017 J	0.0039	0.000036
PCB-178	mg/kg	--	--	--	0.00014	0.00046	0.000061 J	0.00015 J	0.000031 J	0.00098	0.0000066 J
PCB-179	mg/kg	--	--	--	0.00025	0.00090	0.00012 J	0.00033 J	0.000066 J	0.0022	0.000014 J
PCB-18	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-18/30	mg/kg	--	--	--	0.000019 J	0.000057 J	0.0000086 J	0.000019 J	0.000011 J	0.0013	0.0000081 J
PCB-180	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-180/193	mg/kg	--	--	--	0.0020 B	0.0069 B	0.0010 B	0.0020 B	0.00063 B	0.013 B	0.00014 B
PCB-181	mg/kg	--	--	--	0.000029	0.00010 J	0.000012 J	0.000024 J	< 0.00024 U	0.00023 J	< 0.000023 U
PCB-182	mg/kg	--	--	--	0.0000093 J	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-183	mg/kg	--	--	--	0.00049	0.0016	0.00023	0.00055	0.00014 J	0.0036	0.000031
PCB-184	mg/kg	--	--	--	0.0000010 J	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-185	mg/kg	--	--	--	0.000061	0.00027	0.000049 J	0.000096 J	0.000042 J	0.00075	0.0000048 J
PCB-186	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-187	mg/kg	--	--	--	0.00078	0.0027	0.00039	0.00089 B	0.00020 JB	0.0059 B	0.000039 B

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-170	SB-171	SB-172	SB-200	SB-200	SB-201	SB-201
				Sample Date	8/14/2015	8/14/2015	8/14/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015
				Sample Depth (ft bgs)	0-2	0-2	0-2	0-2	2-4	0-2	2-4
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF							
PCB-188	mg/kg	--	--	--	0.0000015 J	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-19	mg/kg	--	--	--	0.0000030 J	0.0000063 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.00019 J	0.0000014 J
PCB-190	mg/kg	--	--	--	0.00025	0.00094	0.00011 J	0.00022 J	0.000075 J	0.0015	0.000018 J
PCB-191	mg/kg	--	--	--	0.000053	0.00018 J	0.000024 J	0.000065 J	0.000029 J	0.00036 J	0.0000092 J
PCB-192	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-194	mg/kg	--	--	--	0.00027	0.00080	0.00019 J	0.00021 J	0.00011 J	0.0013	0.000023
PCB-195	mg/kg	--	--	--	0.00010	0.00028	0.000059 J	0.000080 J	0.000034 J	0.00053	0.0000072 J
PCB-196	mg/kg	--	--	--	0.00012	0.00036	0.000084 J	0.00015 J	0.000038 J	0.00095	0.0000088 J
PCB-197	mg/kg	--	--	--	0.0000083 J	0.000027 J	0.0000052 J	0.0000084 J	< 0.00024 U	0.000065 J	0.00000041 J
PCB-198	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-198/199	mg/kg	--	--	--	0.00030	0.00088	0.00020 J	0.00029 J	0.000072 J	0.0019	0.000019 J
PCB-2	mg/kg	--	--	--	0.0000019 J	0.0000048 J	0.0000041 J	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-20	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-20/28	mg/kg	--	--	--	0.000031 JB	0.00013 JB	0.000024 JB	0.000022 JB	0.000013 JB	0.0016 B	0.000012 JB
PCB-200	mg/kg	--	--	--	0.000032	0.00010 J	0.000021 J	0.000040 J	0.0000058 J	0.00025 J	0.0000020 J
PCB-201	mg/kg	--	--	--	0.000028	0.000094 J	0.000022 J	0.000039 J	< 0.00024 U	0.00025 J	0.0000020 J
PCB-202	mg/kg	--	--	--	0.000059	0.00015 J	0.000039 J	0.000045 J	0.000017 J	0.00032 J	0.0000033 J
PCB-203	mg/kg	--	--	--	0.00018	0.00054	0.00011 J	0.00020 J	0.000058 J	0.0013	0.000013 J
PCB-204	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-205	mg/kg	--	--	--	0.000016 J	0.000045 J	0.0000085 J	0.000018 J	< 0.00024 U	0.000099 J	0.0000028 J
PCB-206	mg/kg	--	--	--	0.00012 B	0.00036 B	0.00010 JB	0.00014 J	0.000062 J	0.0011	0.000018 J
PCB-207	mg/kg	--	--	--	0.000012 J	0.000033 J	0.0000086 J	0.000011 J	< 0.00024 U	0.00013 J	0.0000013 J
PCB-208	mg/kg	--	--	--	0.000033	0.000089 J	0.000030 J	0.000028 J	0.0000064 J	0.00033 J	0.0000052 J
PCB-21	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-21/33	mg/kg	--	--	--	0.000017 JB	0.000064 JB	0.000010 JB	< 0.00098 U	< 0.00048 U	0.0010	0.0000062 J
PCB-22	mg/kg	--	--	--	0.000012 JB	0.000043 JB	0.0000086 JB	< 0.00049 U	< 0.00024 U	0.00062	0.0000038 J
PCB-23	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-24	mg/kg	--	--	--	0.00000056 J	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-25	mg/kg	--	--	--	0.0000023 J	0.000015 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.00013 J	< 0.000023 U
PCB-26	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-26/29	mg/kg	--	--	--	0.0000056 J	0.000026 J	< 0.00042 U	< 0.00098 U	< 0.00048 U	0.00021 J	0.0000019 J
PCB-27	mg/kg	--	--	--	0.0000020 J	0.0000057 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.00011 J	0.00000061 J
PCB-3	mg/kg	--	--	--	0.0000018 J	0.0000040 J	0.0000070 J	< 0.00049 U	< 0.00024 U	0.0000088 J	< 0.000023 U
PCB-31	mg/kg	--	--	--	0.000048 B	0.00025 B	0.000020 JB	0.000021 JB	0.000019 JB	0.0017 B	0.000011 JB
PCB-32	mg/kg	--	--	--	0.0000081 J	0.000022 J	0.0000059 J	0.0000074 JB	< 0.00024 U	0.00044 JB	0.0000028 JB
PCB-34	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-35	mg/kg	--	--	--	0.0000025 J	0.000017 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-36	mg/kg	--	--	--	0.000016 J	0.000062 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-37	mg/kg	--	--	--	0.000012 J	0.00010 J	0.000017 J	< 0.00049 U	< 0.00024 U	0.00037 J	< 0.000023 U
PCB-38	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-39	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	0.0000088 J	< 0.00047 U	0.0000034 J
PCB-4	mg/kg	--	--	--	0.0000037 J	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.00027 J	< 0.000023 U
PCB-40	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-40/71	mg/kg	--	--	--	0.000098	< 0.00045 U	0.000027 J	0.000074 JB	0.000057 JB	0.0025 B	0.000015 JB
PCB-41	mg/kg	--	--	--	0.0000052 JB	0.000034 JB	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.00022 J	< 0.000023 U
PCB-42	mg/kg	--	--	--	0.000039 B	0.00028 B	0.000011 JB	< 0.00049 U	0.000022 JB	0.0012 B	0.0000075 JB
PCB-43	mg/kg	--	--	--	< 0.000024 U	0.00014 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-44	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-44/47/65	mg/kg	--	--	--	0.00066 B	0.0050 B	0.00017 JB	0.00063 JB	0.00027 JB	0.014 B	0.000083 B
PCB-45	mg/kg	--	--	--	0.000015 J	0.000097 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.00051	0.0000043 J
PCB-46	mg/kg	--	--	--	0.0000069 J	0.000042 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-48	mg/kg	--	--	--	0.000028	0.00018 J	< 0.00021 U	0.000024 J	0.000019 J	0.00087	0.0000052 J
PCB-49	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-49/69	mg/kg	--	--	--	0.00035 B	0.0031 B	0.000079 JB	0.00034 JB	0.00014 JB	0.0071 B	0.000041 JB
PCB-5	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-50	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-50/53	mg/kg	--	--	--	0.000042 J	0.00025 J	0.000011 J	0.000042 JB	0.000016 JB	0.00084 JB	0.0000057 JB
PCB-51	mg/kg	--	--	--	0.0000050 JB	0.000027 JB	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.00014 JB	< 0.000023 U
PCB-52	mg/kg	--	--	--	0.0024 EB	0.018 B	0.00071 B	0.0021 B	0.00079 B	0.040 B	0.00024 B
PCB-54	mg/kg	--	--	--	0.00000025 J	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.0000074 JB	< 0.000023 U
PCB-55	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	0.000033 J	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-56	mg/kg	--	--	--	0.00016	0.00048	0.000027 J	0.00017 J	0.000087 J	0.0033	0.000020 J
PCB-57	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.0013	0.000010 J
PCB-58	mg/kg	--	--	--	< 0.000024 U	0.00068	< 0.00021 U	< 0.00049 U	0.000033 J	< 0.00047 U	< 0.000023 U
PCB-59	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-59/62/75	mg/kg	--	--	--	0.0000072 J	0.000083 J	< 0.00063 U	< 0.0015 U	< 0.00072 U	0.00035 JB	0.0000023 JB
PCB-6	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-60	mg/kg	--	--	--	0.000051	0.0012	0.000035 J	< 0.00049 U	0.000034 J	0.0011	0.0000069 J
PCB-61	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76	mg/kg	--	--	--	0.0016 B	0.019 B	0.00037 JB	0.0017 JB	0.00065 JB	0.032 B	0.00018 B
PCB-63	mg/kg	--	--	--	0.000016 J	0.00018 J	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.00024 JB	< 0.000023 U
PCB-64	mg/kg	--	--	--	0.00011	< 0.00023 U	< 0.00021 U	< 0.00049 U	0.000061 J	0.0034	0.000019 J
PCB-66	mg/kg	--	--	--	0.00039 B	0.0075 B	0.00012 JB	0.00054 B	0.00023 JB	0.0089 B	0.000050 B
PCB-67	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	0.000016 J	0.000056 J	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-68	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-7	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-72	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-73	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-78	mg/kg	--	--	--	0.000033	0.00043	0.000016 J	0.000028 J	< 0.00024 U	0.00028 J	0.0000024 J
PCB-79	mg/kg	--	--	--	< 0.000024 U	0.0011	0.000042 J	0.000096 J	0.000043 J	0.0013	0.0000094 J
PCB-8	mg/kg	--	--	--	0.0000027 J	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	0.00054 Q	< 0.000023 U
PCB-80	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-82	mg/kg	--	--	--	0.00053 G	< 0.00037 U	0.00027	0.00089	0.00032	0.0091 G	0.000071
PCB-83	mg/kg	--	--	--	0.00021 G	0.00070 G	0.000098 J	0.00023 J	< 0.00024 U	0.0029 G	0.000020 J
PCB-84	mg/kg	--	--	--	0.0013 G	0.0038 G	0.00041	0.0013 B	0.00043 B	0.018 B	0.00012 B
PCB-85	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-85/116/117	mg/kg	--	--	--	0.00089	0.0041	0.00041 J	0.0011 JB	0.00027 JB	0.011 B	0.000073 B
PCB-86	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125	mg/kg	--	--	--	0.0013 B	0.0034 B	0.0015 B	0.0041 B	0.0013 JB	0.052 B	0.00034 B
PCB-88	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-88/91	mg/kg	--	--	--	0.00052 G	0.0018	0.00022 J	0.00075 JB	0.00019 JB	0.0074 B	0.000051 B
PCB-89	mg/kg	--	--	--	< 0.000090 U	< 0.00035 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.0011 U	< 0.000023 U
PCB-9	mg/kg	--	--	--	< 0.000024 U	< 0.00023 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.00047 U	< 0.000023 U
PCB-90	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-90/101/113	mg/kg	--	--	--	0.0051 B	0.021 B	0.0022 B	0.0060 B	0.0019 B	0.070 B	0.00048 B
PCB-92	mg/kg	--	--	--	0.00054 G	< 0.00034 U	< 0.00021 U	< 0.00049 U	0.00032 B	0.0074 B	0.000074 B
PCB-93	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-93/100	mg/kg	--	--	--	< 0.000083 U	< 0.00045 U	< 0.00042 U	< 0.00098 U	< 0.00048 U	< 0.0011 U	< 0.000047 U
PCB-94	mg/kg	--	--	--	< 0.000088 U	< 0.00035 U	< 0.00021 U	< 0.00049 U	< 0.00024 U	< 0.0011 U	< 0.000023 U
PCB-95	mg/kg	--	--	--	0.0028 EB	0.0080 B	0.00056 B	0.0021 B	0.00090 B	0.047 B	0.00032 B
PCB-96	mg/kg	--	--	--	0.000020 J	0.000055 J	0.0000067 J	0.000026 J	0.0000050 J	0.00033 J	0.0000026 J
PCB-98	mg/kg	--	--	--	--	--	--	--	--	--	--
PCB-98/102	mg/kg	--	--	--	0.000075 G	< 0.00045 U	< 0.00042 U	< 0.00098 U	< 0.00048 U	< 0.00096 U	< 0.000047 U
PCB-99	mg/kg	--	--	--	0.0023 B	0.011 B	0.0010 B	0.0029 B	0.00079 B	0.030 B	0.00019 B
PCB-209 (Decachlorobiphenyl)	mg/kg	--	--	--	0.000048 B	0.00011 JB	0.000067 JB	0.000035 J	0.000011 J	0.00021 J	0.0000072 J
Total Non-Dioxin-like PCBs	mg/kg	1.55	4.4	--	0.07765687	0.3694997	0.0325265	0.0959158	0.024839	0.9759662	0.00640721

Notes:

Bolded values indicated detections

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs,
both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

< = Concentration is less than the reporting limit

-- Not Analyzed / No Standard

ft bgs = feet below ground surface

RRS = Risk Reduction Standard

TEF = Toxic Equivalency Factor

TEQ = Toxic Equivalency

mg/kg = milligrams per kilogram

TEQ of Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxin-like PCBs.

TEQ of Dioxins and Furans and Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxins and furans anc

Qualifiers:

U = Not detected above reporting limit

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.

q - The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion r

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-202	SB-203	SB-204	SB-205	SB-206	SB-207
				Sample Date	8/14/2015	8/14/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015
				Sample Depth (ft bgs)	0-2	0-2	0-2	0-2	0-2	0-2
Constituent	**Units**	**Type 1/2 RRS**	**Type 3/4 RRS**	**TEF**						
Aroclors										
Aroclor 1016	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor 1221	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor 1232	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor 1242	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor 1248	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor 1254	mg/kg	1.55	1.55	--	**4.9**	**0.31**	**4.6**	**0.12**	**0.015 J**	**1.1**
Aroclor 1260	mg/kg	1.55	1.55	--	**0.53**	**0.061**	**0.56**	**0.021 JP**	< 0.038 U	**0.50**
Aroclor 1262	mg/kg	--	--	--	--	--	--	--	--	--
Aroclor 1268	mg/kg	--	--	--	--	--	--	--	--	--
Dioxins and Furans										
1,2,3,4,6,7,8-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	**0.000043 B**	**0.000051**	**0.000018**	**0.000066**	**0.00012**	**0.000036**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-Dioxin	mg/kg	--	--	0.00000001	**0.00031 B**	**0.00021**	**0.000031**	**0.00056 G**	**0.0012 G**	**0.00017**
1,2,3,4,7,8,9-Heptachlorodibenzofuran	mg/kg	--	--	0.00000001	**0.0000075 J**	< 0.0000057 U	**0.0000015 J**	**0.0000032 J**	**0.0000055 J**	< 0.0000058 U
1,2,3,4,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	**0.000035**	**0.0000037 J**	**0.0000050 J**	**0.0000024 J**	**0.0000015 J**	**0.0000056 J**
1,2,3,4,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	**0.0000016 J**	**0.0000017 J**	**0.00000039 J**	**0.0000025 J**	**0.000010**	**0.0000010 J**
1,2,3,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	**0.000013 J**	**0.0000021 J**	**0.0000027 J**	**0.0000020 J**	**0.00000071 J**	**0.0000034 J**
1,2,3,6,7,8-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	**0.000019 J**	**0.000026**	**0.0000021 J**	**0.0000084**	**0.000017**	**0.0000047 J**
1,2,3,7,8,9-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	< 0.000030 U	< 0.0000057 U	< 0.0000059 U	< 0.0000058 U	< 0.0000057 U	< 0.0000058 U
1,2,3,7,8,9-Hexachlorodibenzo-p-Dioxin	mg/kg	--	--	0.0000001	**0.000012 J**	**0.000014**	**0.0000018 J**	**0.0000030 J**	**0.0000040 J**	**0.0000038 J**
1,2,3,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.00000003	**0.0000078 J**	**0.00000074 J**	**0.0000017 J**	< 0.0000058 U	< 0.0000057 U	**0.00000094 J**
1,2,3,7,8-Pentachlorodibenzo-p-Dioxin	mg/kg	--	--	0.000001	< 0.000030 U	< 0.0000057 U	< 0.0000059 U	**0.0000016 J**	**0.000012**	< 0.0000058 U
2,3,4,6,7,8-Hexachlorodibenzofuran	mg/kg	--	--	0.0000001	**0.0000045 J**	**0.0000017 J**	**0.0000020 J**	**0.0000016 J**	**0.00000058 J**	**0.0000015 J**
2,3,4,7,8-Pentachlorodibenzofuran	mg/kg	--	--	0.0000003	**0.000015 J**	**0.00000088 J**	**0.0000024 J**	**0.0000011 J**	**0.00000043 J**	**0.0000021 J**
2,3,7,8-Tetrachlorodibenzofuran	mg/kg	--	--	0.0000001	**0.000018**	**0.0000014**	**0.0000076**	**0.0000012**	**0.00000087 J**	**0.0000080**
2,3,7,8-Tetrachlorodibenzo-p-dioxin	mg/kg	--	--	0.000001	< 0.0000060 U	**0.00000016 J**	< 0.0000012 U	**0.00000080 J**	**0.0000069**	**0.00000015 J**
Heptachlorodibenzofurans	mg/kg	--	--	0.00000001	**0.00016 B**	**0.00016**	**0.000031**	**0.00027**	**0.00062**	**0.00011**
Heptachlorodibenzo-p-dioxins	mg/kg	--	--	0.00000001	**0.0028 B**	**0.00067 B**	**0.000091 B**	**0.0033 B**	**0.0063 B**	**0.00070 B**
Hexachlorodibenzofurans	mg/kg	--	--	0.0000001	**0.00011 Q**	**0.000067**	**0.000026 Q**	**0.000069 Q**	**0.000071 Q**	**0.000043**
Hexachlorodibenzo-p-dioxins	mg/kg	--	--	0.0000001	**0.00021 Q**	**0.00019**	**0.000021 Q**	**0.00026**	**0.0011 Q**	**0.000063**
Octachlorodibenzofuran	mg/kg	--	--	3E-10	**0.00017 B**	**0.00013 B**	**0.000020 B**	**0.00029 B**	**0.00079 B**	**0.000096 B**
Octachlorodibenzo-p-dioxin	mg/kg	--	--	3E-10	**0.011 B**	**0.0039 B**	**0.00049 B**	**0.0049 B**	**0.0092 B**	**0.0021 B**
Pentachlorodibenzofurans, Total	mg/kg	--	--	0.00000003	**0.00010**	**0.000019 Q**	**0.000023 Q**	**0.000049 Q**	**0.000014**	**0.000022**
Pentachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	**0.0000021 J**	**0.0000071 Q**	**0.0000014 J**	**0.000024 Q**	**0.00026**	**0.00000045 J**
Tetrachlorodibenzofuran	mg/kg	--	--	--	**0.000091 Q**	**0.000010 Q**	**0.000041 Q**	**0.000022 Q**	**0.0000098 Q**	**0.000027 Q**
Tetrachlorodibenzofurans, Total	mg/kg	--	--	0.0000001	--	--	--	--	--	--
Tetrachlorodibenzo-p-dioxins, Total	mg/kg	--	--	0.000001	**0.0000022 J**	**0.0000023 Q**	**0.0000012 Q**	**0.0000046 Q**	**0.000030 Q**	**0.0000016 Q**
TEQ of dioxins and furans	mg/kg	--	--	--	--	--	--	--	--	--
Dioxin-like PCBs										
PCB-105	mg/kg	--	--	3E-11	**0.17 B**	**0.0076 B**	**0.099 B**	**0.0058 B**	**0.0035 EB**	**0.047 B**
PCB-114	mg/kg	--	--	3E-11	< 0.0066 U	**0.00041 G**	**0.0063 G**	**0.00024 G**	**0.00017 G**	**0.0023 G**
PCB-118	mg/kg	--	--	3E-11	**0.35 B**	**0.018 B**	**0.23 B**	**0.014 B**	**0.0087 EB**	**0.11 B**
PCB-123	mg/kg	--	--	3E-11	< 0.0061 U	**0.00026 G**	**0.0043 G**	**0.00024 G**	**0.00014 G**	**0.0017 G**
PCB-126	mg/kg	--	--	0.0000001	< 0.0092 U	< 0.00029 U	< 0.0067 U	< 0.00014 U	< 0.000070 U	< 0.0028 U
PCB-156/157	mg/kg	--	--	3E-11	**0.072 B**	**0.0032 B**	**0.043 B**	**0.0029 B**	**0.0018 B**	**0.024 B**
PCB-167	mg/kg	--	--	3E-11	**0.020 G**	**0.00096**	**0.013 G**	**0.00089 G**	**0.00053 G**	**0.0076 G**
PCB-169	mg/kg	--	--	0.00000003	< 0.00085 U	< 0.000046 U	< 0.00080 U	< 0.000020 U	< 0.000012 U	< 0.00039 U
PCB-189	mg/kg	--	--	3E-11	**0.0024**	**0.00012**	**0.0014**	**0.00010**	**0.000062**	**0.0013**
PCB-77	mg/kg	--	--	1E-10	**0.0026 G**	**0.00051**	**0.0043 G**	**0.00014 G**	**0.000070 G**	**0.0019 G**
PCB-81	mg/kg	--	--	3E-10	**0.0028 G**	**0.000083**	**0.00086 G**	**0.000046 G**	**0.000034 G**	**0.00040 G**
TEQ of dioxin-like PCBs	mg/kg	--	--	--	--	--	--	--	--	--
TEQ of dioxins and furans and dioxin-like PCBs	mg/kg	0.000115	0.00044	--	**0.00053**	**0.000029**	**0.00037**	**0.000021**	**0.000043**	**0.00016**
Non-Dioxin-like PCBs										
PCB-1	mg/kg	--	--	--	**0.00031 J**	**0.0000053 J**	**0.000089 J**	**0.0000059 J**	**0.00013**	< 0.00047 U
PCB-10	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-103	mg/kg	--	--	--	< 0.0068 U	< 0.00046 U	< 0.0034 U	< 0.00014 U	< 0.000074 U	< 0.0017 U
PCB-104	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	**0.00000029 JB**	< 0.000023 U	< 0.00047 U
PCB-106	mg/kg	--	--	--	**0.42 E**	< 0.00046 U	< 0.0030 U	< 0.00012 U	< 0.000065 U	< 0.0015 U
PCB-107	mg/kg	--	--	--	--	--	--	--	--	--
PCB-107/124	mg/kg	--	--	--	**0.030 G**	**0.00061 J**	**0.0084 G**	**0.00058 G**	**0.00040 G**	**0.0044 G**
PCB-109	mg/kg	--	--	--	**0.40 E**	**0.0010**	**0.017 G**	**0.00098 G**	**0.00059 G**	**0.0075 G**
PCB-11	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-110	mg/kg	--	--	--	--	--	--	--	--	--
PCB-110/115	mg/kg	--	--	--	**0.026 B**	**0.021 B**	**0.29 BE**	**0.018 B**	**0.011 B**	**0.15 BE**
PCB-111	mg/kg	--	--	--	< 0.0050 U	< 0.00046 U	< 0.0025 U	< 0.00010 U	< 0.000055 U	< 0.0013 U
PCB-112	mg/kg	--	--	--	< 0.0050 U	< 0.00046 U	< 0.0025 U	< 0.00010 U	< 0.000054 U	< 0.0013 U
PCB-12	mg/kg	--	--	--	--	--	--	--	--	--
PCB-115	mg/kg	--	--	--	--	--	--	--	--	--
PCB-12/13	mg/kg	--	--	--	< 0.00096 U	< 0.00091 U	< 0.00095 U	< 0.000046 U	< 0.000045 U	< 0.00093 U
PCB-120	mg/kg	--	--	--	< 0.0054 U	< 0.00046 U	< 0.0027 U	< 0.00011 U	< 0.000059 U	< 0.0014 U
PCB-121	mg/kg	--	--	--	< 0.0053 U	< 0.00046 U	< 0.0027 U	< 0.00011 U	< 0.000058 U	< 0.0013 U
PCB-122	mg/kg	--	--	--	< 0.0064 U	< 0.00046 U	**0.0042 G**	**0.00024 G**	< 0.000070 U	**0.0021 G**
PCB-127	mg/kg	--	--	--	< 0.0066 U	< 0.00046 U	< 0.0033 U	< 0.00013 U	< 0.000072 U	< 0.0017 U
PCB-128	mg/kg	--	--	--	--	--	--	--	--	--
PCB-128/162	mg/kg	--	--	--	**0.094 G**	**0.0041**	**0.060 G**	**0.0034 G**	**0.0019 G**	**0.034**
PCB-128/166	mg/kg	--	--	--	--	--	--	--	--	--
PCB-129	mg/kg	--	--	--	--	--	--	--	--	--
PCB-129/138/163	mg/kg	--	--	--	**0.50 BE**	**0.023 B**	**0.34 BE**	**0.018 B**	**0.010 B**	**0.21 BE**
PCB-130	mg/kg	--	--	--	**0.034 G**	**0.0015**	**0.023 G**	**0.0012 G**	**0.00075 G**	**0.013 G**
PCB-131	mg/kg	--	--	--	**0.16 E**	**0.00036 J**	**0.0044 G**	**0.00021 G**	**0.00015 G**	**0.0026 G**
PCB-132	mg/kg	--	--	--	**0.0044 B**	**0.0069 B**	**0.098 BE**	**0.0048 B**	**0.0031 B**	**0.060 BE**
PCB-133	mg/kg	--	--	--	< 0.0014 U	**0.00020 J**	**0.0031 G**	**0.00015 G**	**0.000096 G**	**0.0019 G**
PCB-134	mg/kg	--	--	--	--	--	--	--	--	--
PCB-134/143	mg/kg	--	--	--	**0.0092 G**	**0.0012**	**0.018 G**	**0.00079 G**	**0.00055 G**	**0.010**
PCB-135	mg/kg	--	--	--	--	--	--	--	--	--
PCB-135/151	mg/kg	--	--	--	< 0.0014 U	**0.0044 B**	**0.066 B**	**0.0030 B**	**0.0018 B**	**0.046 B**
PCB-136	mg/kg	--	--	--	< 0.0010 U	**0.0018 B**	**0.026 B**	**0.0013 B**	**0.00082 B**	**0.018 B**
PCB-137	mg/kg	--	--	--	**0.033 G**	**0.0013**	**0.019 G**	**0.0010 G**	**0.00070 G**	**0.011 G**
PCB-139	mg/kg	--	--	--	--	--	--	--	--	--
PCB-139/140	mg/kg	--	--	--	< 0.0013 U	**0.00036 J**	**0.0056 G**	**0.00028 G**	**0.00018 G**	**0.0032**
PCB-14	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-141	mg/kg	--	--	--	**0.058 E**	**0.0027**	**0.047 G**	**0.0023 G**	**0.0015 G**	**0.034 G**
PCB-142	mg/kg	--	--	--	**0.15 E**	< 0.00046 U	< 0.0015 U	< 0.000076 U	< 0.000055 U	< 0.00080 U
PCB-144	mg/kg	--	--	--	**0.25 E**	**0.00040 J**	**0.010 G**	**0.00044 G**	**0.00029 G**	**0.0048 G**
PCB-145	mg/kg	--	--	--	< 0.00097 U	< 0.00046 U	< 0.0010 U	< 0.000053 U	< 0.000039 U	< 0.00056 U
PCB-146	mg/kg	--	--	--	**0.051 E**	**0.0024**	**0.038 G**	**0.0018 G**	**0.0011 G**	**0.023 G**
PCB-147	mg/kg	--	--	--	--	--	--	--	--	--
PCB-147/149	mg/kg	--	--	--	< 0.0013 U	**0.012 B**	**0.18 BE**	**0.0085 B**	**0.0053 B**	**0.12 BE**
PCB-148	mg/kg	--	--	--	< 0.0013 U	< 0.00046 U	< 0.0014 U	< 0.000070 U	< 0.000051 U	< 0.00074 U
PCB-15	mg/kg	--	--	--	**0.0017**	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-150	mg/kg	--	--	--	< 0.00091 U	< 0.00046 U	< 0.00098 U	< 0.000050 U	< 0.000036 U	< 0.00052 U
PCB-152	mg/kg	--	--	--	< 0.00098 U	< 0.00046 U	< 0.0011 U	< 0.000053 U	< 0.000039 U	< 0.00056 U
PCB-153	mg/kg	--	--	--	--	--	--	--	--	--
PCB-153/168	mg/kg	--	--	--	**0.26 BE**	**0.012 B**	**0.21 BE**	**0.010 B**	**0.0058 B**	**0.13 BE**
PCB-154	mg/kg	--	--	--	< 0.0012 U	< 0.00046 U	**0.0025 G**	**0.00010 G**	**0.000050 G**	**0.0011 G**
PCB-155	mg/kg	--	--	--	< 0.00082 U	< 0.00046 U	< 0.00089 U	< 0.000063 U	< 0.000046 U	< 0.00047 U
PCB-158	mg/kg	--	--	--	**0.060 E**	**0.0027**	**0.037 G**	**0.0020 G**	**0.0012 G**	**0.023 G**
PCB-159	mg/kg	--	--	--	**0.0010 G**	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-16	mg/kg	--	--	--	**0.0043**	**0.00016 J**	**0.00077**	**0.000020 J**	**0.000020 J**	**0.00018 J**
PCB-160	mg/kg	--	--	--	**0.47 E**	< 0.00046 U	< 0.0014 U	< 0.000068 U	< 0.000050 U	< 0.00072 U
PCB-161	mg/kg	--	--	--	**0.038 G**	< 0.00046 U	< 0.0011 U	< 0.000056 U	< 0.000041 U	< 0.00059 U
PCB-162	mg/kg	--	--	--	**0.0022 G**	**0.00012 J**	**0.0015**	**0.000097**	**0.000060**	**0.0012**
PCB-164	mg/kg	--	--	--	**0.031 G**	**0.0015**	**0.022 G**	**0.0011 G**	**0.00067 G**	**0.013 G**
PCB-165	mg/kg	--	--	--	< 0.0012 U	< 0.00046 U	< 0.0013 U	< 0.000065 U	< 0.000048 U	< 0.00069 U
PCB-17	mg/kg	--	--	--	**0.0038 B**	**0.00015 JB**	**0.00083 B**	**0.000019 JB**	**0.000017 JB**	**0.00016 JB**
PCB-170	mg/kg	--	--	--	**0.053 E**	**0.0030**	**0.033**	**0.0027**	**0.0016**	**0.032**
PCB-171	mg/kg	--	--	--	--	--	--	--	--	--
PCB-171/173	mg/kg	--	--	--	**0.017**	**0.0010**	**0.011**	**0.00080**	**0.00049**	**0.011**
PCB-172	mg/kg	--	--	--	**0.0076**	**0.00049**	**0.0048**	**0.00037**	**0.00022**	**0.0053**
PCB-174	mg/kg	--	--	--	**0.041**	**0.0027**	**0.028**	**0.0019**	**0.0011**	**0.032**
PCB-175	mg/kg	--	--	--	**0.0020**	**0.00012 J**	**0.0013**	**0.000070**	**0.000043**	**0.0014**
PCB-176	mg/kg	--	--	--	**0.0048**	**0.00029 J**	**0.0032**	**0.00017**	**0.000099**	**0.0038**
PCB-177	mg/kg	--	--	--	**0.023**	**0.0015**	**0.016**	**0.0011**	**0.00067**	**0.018**
PCB-178	mg/kg	--	--	--	**0.0062**	**0.00042 J**	**0.0048**	**0.00024**	**0.00014**	**0.0053**
PCB-179	mg/kg	--	--	--	**0.013**	**0.00087**	**0.0096**	**0.00050**	**0.00027**	**0.012**
PCB-18	mg/kg	--	--	--	--	--	--	--	--	--
PCB-18/30	mg/kg	--	--	--	**0.0091**	**0.00035 J**	**0.0019**	**0.000043 J**	**0.000035 J**	**0.00045 J**
PCB-180	mg/kg	--	--	--	--	--	--	--	--	--
PCB-180/193	mg/kg	--	--	--	**0.086 B**	**0.0055 B**	**0.055 B**	**0.0041 B**	**0.0025 B**	**0.063 B**
PCB-181	mg/kg	--	--	--	**0.0010 Q**	< 0.00046 U	**0.00071**	**0.000049**	**0.000036**	< 0.00047 U
PCB-182	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	**0.000011 J**	**0.0000068 J**	< 0.00047 U
PCB-183	mg/kg	--	--	--	**0.026**	**0.0014**	**0.014**	**0.0010**	**0.00061**	**0.016**
PCB-184	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-185	mg/kg	--	--	--	**0.038**	**0.00026 J**	**0.0029**	**0.00014**	**0.000084**	**0.0036**
PCB-186	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-187	mg/kg	--	--	--	**0.037 B**	**0.0025 B**	**0.029 B**	**0.0014 B**	**0.00087 B**	**0.032 B**

Table 7c
Historical and Recent Soil Analytical Data, PCBs
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Sample Location	SB-202	SB-203	SB-204	SB-205	SB-206	SB-207
				Sample Date	8/14/2015	8/14/2015	8/13/2015	8/13/2015	8/13/2015	8/13/2015
				Sample Depth (ft bgs)	0-2	0-2	0-2	0-2	0-2	0-2
Constituent	Units	Type 1/2 RRS	Type 3/4 RRS	TEF						
PCB-188	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-19	mg/kg	--	--	--	**0.00082**	**0.000039 J**	**0.00014 J**	**0.0000061 J**	**0.0000072 J**	**0.000055 J**
PCB-190	mg/kg	--	--	--	**0.0096**	**0.00055**	**0.0060**	**0.00048**	**0.00028**	**0.0063**
PCB-191	mg/kg	--	--	--	**0.0025**	**0.00015 J**	**0.0013 Q**	**0.00011**	**0.000064**	**0.0015**
PCB-192	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-194	mg/kg	--	--	--	**0.0095**	**0.00058**	**0.0069**	**0.00053**	**0.00029**	**0.0084**
PCB-195	mg/kg	--	--	--	**0.0039**	**0.00026 J**	**0.0026**	**0.00021**	**0.00010**	**0.0038**
PCB-196	mg/kg	--	--	--	**0.0063**	**0.00043 J**	**0.0052**	**0.00026**	**0.00015**	**0.0058**
PCB-197	mg/kg	--	--	--	**0.00040 J**	**0.000027 J**	**0.00032 J**	**0.000016 J**	**0.0000085 J**	**0.00036 J**
PCB-198	mg/kg	--	--	--	--	--	--	--	--	--
PCB-198/199	mg/kg	--	--	--	**0.013**	**0.00086 J**	**0.012**	**0.00051**	**0.00040**	**0.011**
PCB-2	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	**0.0000030 J**	**0.00016**	< 0.00047 U
PCB-20	mg/kg	--	--	--	--	--	--	--	--	--
PCB-20/28	mg/kg	--	--	--	**0.010 B**	**0.00052 JB**	**0.0034 B**	**0.000077 B**	**0.000038 JB**	**0.00044 JB**
PCB-200	mg/kg	--	--	--	**0.0016**	**0.00011 J**	**0.0015**	**0.000060**	**0.000041**	**0.0016**
PCB-201	mg/kg	--	--	--	**0.0016**	**0.00011 J**	**0.0015**	**0.000058**	**0.000042**	**0.0014**
PCB-202	mg/kg	--	--	--	**0.0018**	**0.00013 J**	**0.0021**	**0.000085**	**0.000082**	**0.0016**
PCB-203	mg/kg	--	--	--	**0.0085**	**0.00053**	**0.0079**	**0.00034**	**0.00025**	**0.0071**
PCB-204	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-205	mg/kg	--	--	--	**0.00076**	**0.000050 J**	**0.00050 Q**	**0.000031**	**0.000013 J**	**0.00065**
PCB-206	mg/kg	--	--	--	**0.0047**	**0.00029 J**	**0.0050**	**0.00019**	**0.00027**	**0.0025**
PCB-207	mg/kg	--	--	--	**0.00055**	**0.000031 J**	**0.00068**	**0.000023**	**0.000028**	**0.00035 J**
PCB-208	mg/kg	--	--	--	**0.0012**	**0.000066 J**	**0.0013**	**0.000049**	**0.000087**	**0.00052**
PCB-21	mg/kg	--	--	--	--	--	--	--	--	--
PCB-21/33	mg/kg	--	--	--	**0.0062**	**0.00028 J**	**0.0056**	**0.00010**	**0.000024 J**	**0.00032 J**
PCB-22	mg/kg	--	--	--	**0.0038**	**0.00018 J**	**0.00096**	**0.000025**	**0.000016 J**	**0.00013 J**
PCB-23	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-24	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	**0.000044 J**	**0.00000098 J**	**0.00000093 J**	< 0.00047 U
PCB-25	mg/kg	--	--	--	**0.00052 Q**	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-26	mg/kg	--	--	--	--	--	--	--	--	--
PCB-26/29	mg/kg	--	--	--	**0.0017**	**0.000085 J**	**0.00029 J**	**0.0000074 J**	**0.0000097 J**	**0.000062 J**
PCB-27	mg/kg	--	--	--	**0.00068**	**0.000035 J**	**0.00014 J**	**0.0000036 J**	**0.0000034 J**	**0.000031 J**
PCB-3	mg/kg	--	--	--	**0.00026 J**	< 0.00046 U	**0.000025 J**	**0.0000040 J**	**0.000039**	< 0.00047 U
PCB-31	mg/kg	--	--	--	**0.011 B**	**0.00051 B**	**0.0034 B**	**0.000091 B**	**0.000062 B**	**0.00054 B**
PCB-32	mg/kg	--	--	--	**0.0027 B**	**0.00013 JB**	**0.00074 B**	**0.000016 JB**	**0.000012 JB**	**0.00014 JB**
PCB-34	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-35	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-36	mg/kg	--	--	--	**0.00094**	< 0.00046 U	**0.00074**	**0.000021 J**	**0.000014 J**	**0.00012 J**
PCB-37	mg/kg	--	--	--	< 0.00048 U	**0.00021 J**	**0.0015**	**0.000039**	**0.000016 J**	**0.00023 J**
PCB-38	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-39	mg/kg	--	--	--	< 0.00048 U	**0.000096 J**	**0.0016**	< 0.000023 U	< 0.000023 U	**0.00037 J**
PCB-4	mg/kg	--	--	--	**0.0021**	**0.000054 J**	**0.00026 J**	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-40	mg/kg	--	--	--	--	--	--	--	--	--
PCB-40/71	mg/kg	--	--	--	< 0.00096 U	**0.00072 JB**	**0.0055 B**	**0.00020 B**	**0.00014 B**	**0.0016 B**
PCB-41	mg/kg	--	--	--	< 0.00049 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-42	mg/kg	--	--	--	**0.0054 B**	**0.00035 JB**	**0.0032 B**	**0.000091 B**	**0.000058 B**	**0.00047 B**
PCB-43	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-44	mg/kg	--	--	--	--	--	--	--	--	--
PCB-44/47/65	mg/kg	--	--	--	**0.069 B**	**0.0036 B**	**0.039 B**	**0.0014 B**	**0.0011 B**	**0.012 B**
PCB-45	mg/kg	--	--	--	**0.0029 G**	**0.00012 J**	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-46	mg/kg	--	--	--	< 0.00050 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-48	mg/kg	--	--	--	**0.0037**	**0.00024 J**	**0.0018**	**0.000046**	**0.000040**	**0.00035 J**
PCB-49	mg/kg	--	--	--	--	--	--	--	--	--
PCB-49/69	mg/kg	--	--	--	**0.034 B**	**0.0017 B**	**0.024 B**	**0.00073 B**	**0.00046 B**	**0.0057 B**
PCB-5	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-50	mg/kg	--	--	--	--	--	--	--	--	--
PCB-50/53	mg/kg	--	--	--	**0.0041 B**	**0.00024 JB**	**0.0019 B**	**0.000072 B**	**0.000060 B**	**0.00059 JB**
PCB-51	mg/kg	--	--	--	< 0.00048 U	**0.000035 JB**	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-52	mg/kg	--	--	--	**0.20 BE**	**0.0098 B**	**0.11 BE**	**0.0043 B**	**0.0035 B**	**0.038 B**
PCB-54	mg/kg	--	--	--	**0.000029 JB**	< 0.00046 U	**0.000019 JB**	**0.00000062 JB**	< 0.000023 U	< 0.00047 U
PCB-55	mg/kg	--	--	--	< 0.00073 U	< 0.00046 U	< 0.00049 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-56	mg/kg	--	--	--	< 0.00090 U	**0.00022 J**	**0.0097 G**	**0.00042**	**0.00026**	**0.0029**
PCB-57	mg/kg	--	--	--	< 0.00085 U	< 0.00046 U	**0.0056 G**	**0.00019**	**0.00012**	**0.0016**
PCB-58	mg/kg	--	--	--	< 0.00083 U	**0.00021 J**	< 0.00055 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-59	mg/kg	--	--	--	--	--	--	--	--	--
PCB-59/62/75	mg/kg	--	--	--	**0.0013 JB**	**0.00012 JB**	**0.0012 JB**	< 0.000069 U	< 0.000068 U	< 0.0014 U
PCB-6	mg/kg	--	--	--	**0.00097**	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-60	mg/kg	--	--	--	< 0.00080 U	**0.00076**	**0.0034 G**	**0.00015**	**0.000094**	< 0.00047 U
PCB-61	mg/kg	--	--	--	--	--	--	--	--	--
PCB-61/70/74/76	mg/kg	--	--	--	< 0.0019 U	**0.0069 B**	**0.10 B**	**0.0038 B**	**0.0025 B**	**0.028 B**
PCB-63	mg/kg	--	--	--	**0.031 B**	**0.000075 JB**	**0.0011 B**	**0.000034 B**	**0.000020 JB**	< 0.00047 U
PCB-64	mg/kg	--	--	--	< 0.00048 U	**0.00076**	**0.013**	**0.00039**	**0.00027**	**0.0019 Q**
PCB-66	mg/kg	--	--	--	< 0.00094 U	**0.0024 B**	**0.037 B**	**0.0012 B**	**0.00059 B**	**0.0077 B**
PCB-67	mg/kg	--	--	--	**0.14 E**	< 0.00046 U	< 0.00051 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-68	mg/kg	--	--	--	< 0.00075 U	< 0.00046 U	< 0.00050 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-7	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-72	mg/kg	--	--	--	< 0.00081 U	< 0.00046 U	**0.00056 G**	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-73	mg/kg	--	--	--	< 0.00048 U	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-78	mg/kg	--	--	--	< 0.00091 U	**0.000068 J**	**0.00092 G**	**0.000058**	**0.000032**	**0.00044 J**
PCB-79	mg/kg	--	--	--	**0.0021 G**	**0.00027 J**	< 0.00057 U	**0.00019**	**0.00012**	**0.0015**
PCB-8	mg/kg	--	--	--	**0.0046**	< 0.00046 U	**0.00084**	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-80	mg/kg	--	--	--	**0.0060 G**	< 0.00046 U	< 0.00051 U	< 0.000023 U	< 0.000023 U	**0.00015 J**
PCB-82	mg/kg	--	--	--	< 0.0082 U	**0.0019**	**0.023 G**	**0.0013 G**	**0.0010 G**	**0.010 G**
PCB-83	mg/kg	--	--	--	< 0.0097 U	**0.00065**	**0.011 G**	**0.00057 G**	**0.00044 G**	**0.0040 G**
PCB-84	mg/kg	--	--	--	**0.098 BE**	**0.0043 B**	**0.049 B**	**0.0027 B**	**0.0020 B**	**0.021 B**
PCB-85	mg/kg	--	--	--	--	--	--	--	--	--
PCB-85/116/117	mg/kg	--	--	--	**0.52 BE**	**0.0026 B**	**0.034 B**	**0.0024 B**	**0.0013 B**	**0.016 B**
PCB-86	mg/kg	--	--	--	--	--	--	--	--	--
PCB-86/87/97/108/119/125	mg/kg	--	--	--	**0.18 B**	**0.012 B**	**0.16 B**	**0.0082 B**	**0.0061 B**	**0.064 B**
PCB-88	mg/kg	--	--	--	--	--	--	--	--	--
PCB-88/91	mg/kg	--	--	--	**0.036 B**	**0.0016 B**	**0.024 B**	**0.0013 B**	**0.00079 B**	**0.011 B**
PCB-89	mg/kg	--	--	--	< 0.0079 U	< 0.00046 U	< 0.0039 U	< 0.00016 U	< 0.000085 U	< 0.0020 U
PCB-9	mg/kg	--	--	--	**0.00031 J**	< 0.00046 U	< 0.00047 U	< 0.000023 U	< 0.000023 U	< 0.00047 U
PCB-90	mg/kg	--	--	--	--	--	--	--	--	--
PCB-90/101/113	mg/kg	--	--	--	**0.35 BE**	**0.016 B**	**0.23 BE**	**0.012 B**	**0.0087 B**	**0.099 B**
PCB-92	mg/kg	--	--	--	< 0.0075 U	< 0.00046 U	**0.044 B**	**0.0024 B**	**0.0016 B**	< 0.0019 U
PCB-93	mg/kg	--	--	--	--	--	--	--	--	--
PCB-93/100	mg/kg	--	--	--	**0.15 BE**	< 0.00091 U	< 0.0037 U	< 0.00015 U	< 0.000079 U	< 0.0018 U
PCB-94	mg/kg	--	--	--	< 0.0077 U	< 0.00046 U	< 0.0038 U	< 0.00016 U	< 0.000083 U	< 0.0019 U
PCB-95	mg/kg	--	--	--	< 0.0075 U	**0.0078 B**	**0.16 BE**	**0.0071 B**	**0.0045 B**	**0.053 B**
PCB-96	mg/kg	--	--	--	**0.0019**	**0.000073 J**	**0.00081**	**0.000037**	**0.000028**	**0.00045 J**
PCB-98	mg/kg	--	--	--	--	--	--	--	--	--
PCB-98/102	mg/kg	--	--	--	< 0.0066 U	**0.00031 J**	< 0.0033 U	**0.00018 G**	< 0.000072 U	< 0.0017 U
PCB-99	mg/kg	--	--	--	< 0.0068 U	**0.0069 B**	**0.11 BE**	**0.0057 B**	**0.0034 B**	**0.049 BE**
PCB-209 (Decachlorobiphenyl)	mg/kg	--	--	--	**0.00067**	**0.000043 J**	**0.00045 J**	**0.000068**	**0.00015**	**0.00021 J**
Total Non-Dioxin-like PCBs	mg/kg	1.55	4.4	--	6.024349	0.2424423	3.427947	0.17976589	0.11368253	1.841858

Notes:

Bolded values indicated detections

Yellow Shaded - Result is above Non-Residential RRS Type 3 and Type 4 [Higher Value of Type 3 and 4 RRS]

Grey Shaded - Result is above the Soil Delineation Criteria Applicable to entire vadose zone [Higher Value of Type 1 and 2 RRS

Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs,
both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)

< = Concentration is less than the reporting limit

-- Not Analyzed / No Standard

ft bgs = feet below ground surface

RRS = Risk Reduction Standard

TEF = Toxic Equivalency Factor

TEQ = Toxic Equivalency

mg/kg = milligrams per kilogram

TEQ of Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxin-like PCBs.

TEQ of Dioxins and Furans and Dioxin-like PCBs – the summed, TEF-adjusted concentration of detected dioxins and furans anc

Qualifiers:

U = Not detected above reporting limit

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.

q - The reported result is the estimated maximum possible concentration of this analyte, quantitated using the theoretical ion r

Table 7d
Historical and Recent Soil Analytical Data, Pesticides
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

				Well	SB-F1	SB-F12	SB-F14	SB-F14/F12	SB-F15	SB-F19	SB-F27	SB-F27	SB-F3	SB-F4	SB-F6
				Sample Matrix	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO	SO
				Date	10/19/2000	8/20/2014	8/20/2014	10/20/2000	8/19/2014	10/17/2000	8/19/2014	8/19/2014	8/20/2014	8/19/2014	8/19/2014
				Sample Depth (ft bgs)	1 - 3	0 - 1	0 - 1	1 - 3	0 - 1	0 - 3	0 - 1	1 - 3	0 - 1	0 - 1	0 - 1
				Sample Type	N	N	N	N	N	N	N	N	N	N	N
Constituent	**CAS**	**Units**	**Type 1/2 RRS**	**Type 3/4RRS**											
Pesticides															
4,4-DDT	50-29-3	mg/kg	0.84	2.8	< 0.0038 U	< 0.0018 U	< 0.0019 U	< 0.0035 U	< 0.0020 U	< 0.0039 U	< 0.0073 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
Endrin	72-20-8	mg/kg	10	10	< 0.0038 U	< 0.0018 U	< 0.0019 U	< 0.0035 U	< 0.0020 U	< 0.0039 U	< 0.0073 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
Endrin aldehyde	7421-93-4	mg/kg	10	10	< 0.0038 U	< 0.0018 U	< 0.0019 U	< 0.0035 U	< 0.0020 U	< 0.0039 U	< 0.0073 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0020 U
Methoxychlor	72-43-5	mg/kg	10	28	< 0.002 U	< 0.0018 U	< 0.0019 U	< 0.0018 U	< 0.0020 U	< 0.02 U	< 0.0073 U	< 0.0018 U	< 0.0019 U	< 0.0019 U	< 0.0020 U

Notes
Where Type 3/4 values differed in 0 to 2 feet below ground surface (bgs) and greater than 2 feet bgs, both values are shown (0-2 feet bgs RRS/greater than 2 feet bgs RRS)
U = Not detected above reporting limit
< = Concentration is less than the reporting limit
-- Not Analyzed
ft bgs = feet below ground surface
mg/kg = milligrams per kilogram
N = Normal Sample
RRS = Risk Reduction Standard
SO = Soil

Table 7e
Soil pH Investigation - Former Size Tank Area, August 2015
VIRP Semiannual Progress Report
Solenis International, L.P. - Savannah, GA

			Well	SB-181	SB-182	SB-183	SB-184	SB-185
			Date	8/14/2015	8/14/2015	8/14/2015	8/14/2015	8/14/2015
			Sample ID	SB-181(0-2')	SB-182 (0-2')	SB-183 (0-2')	SB-184 (0-2')	SB-185 (0-2')
			Depth Range	0-2	0-2	0-2	0-2	0-2
Analysis	**Type 1 / 2 RRS**	**Type 3 / 4 RRS**	**Unit**					
Soil pH	>2 and <12.5	>2 and <12.5	s.u.	8.76	6.18	9.11	5.40	6.12

Soil pH - measured in the field using a calibrated pH meter
RRS = Risk Reduction Standard
SB = Soil Boring

FIGURES

LEGEND

HSI 10696 Site Boundary (SAGIS)

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

SOLENIS INTERNATIONAL, L.P.. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

Site Location Map

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: DHOLMES
PROJECT: OH008000.GA60 PATH: G:\GISVASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F1 GA60_VRPSA6 REG.MXD SAVED: 3/24/2016

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

* 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.

0 240 480
SCALE IN FEET

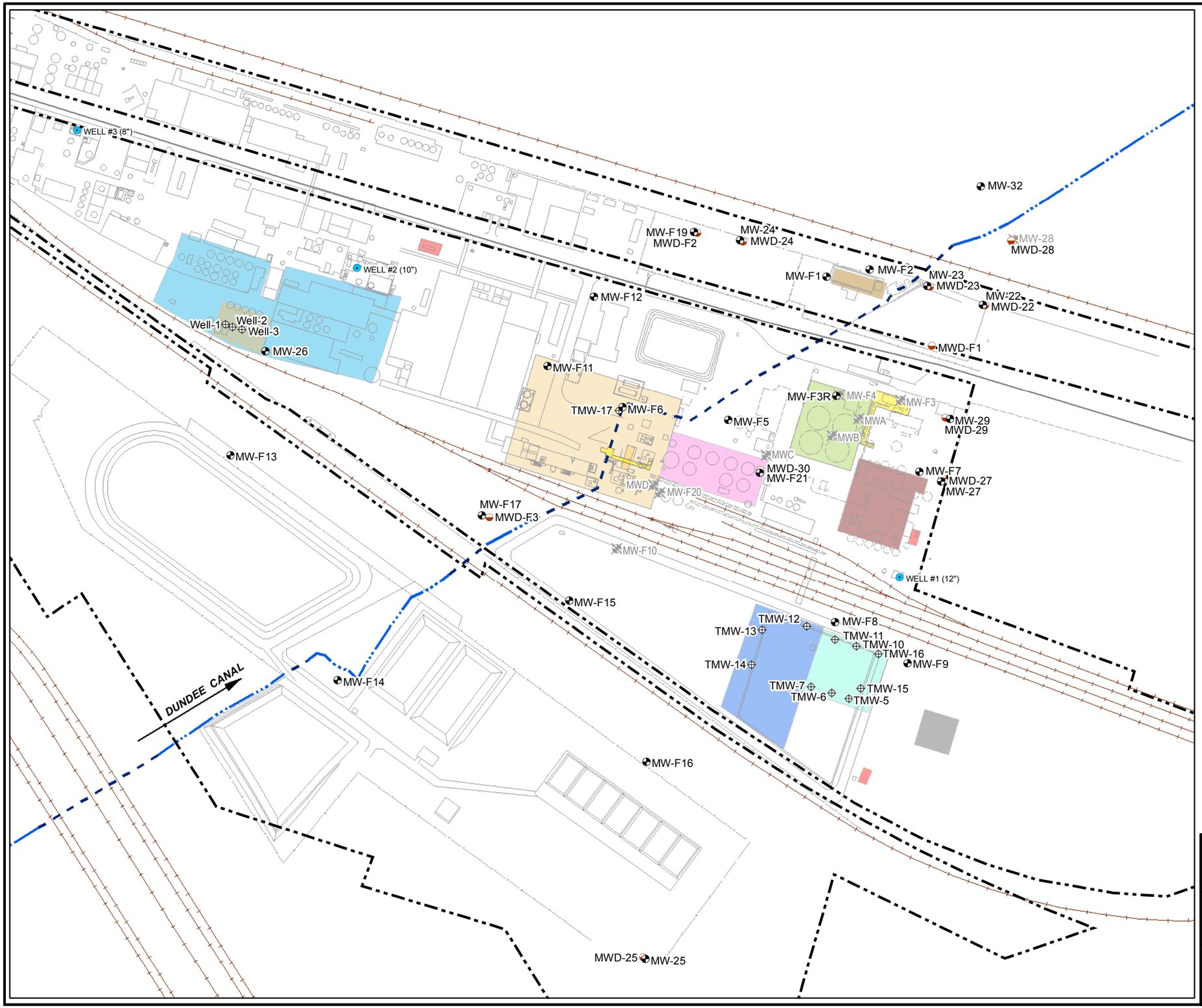
SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

Site Layout – Aerial View

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: DHOLMES
PROJECT: OH008000.GA60 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F2 GA60_VRPSA6 AERIAL.MXD SAVED: 3/24/2016



LEGEND

- Hercules Property (Conner 2001)
- Monitoring Well (shallow)
- Monitoring Well (deep)
- Temporary Monitoring Well (shallow)
- Production Well
- Monitoring Well (abandoned/destroyed)
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

* 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

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

SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

Site Layout with Monitoring Well Locations

ARCADIS Design & Consultancy for natural and built assets

FIGURE
3

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T:\WALL BY: DHOLMES
PROJECT: OH008000.GA60 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F3 GA60_VRPSA6 SITE.MXD SAVED: 3/24/2016

LEGEND

- Hercules Property (Conner 2001)*
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Monitoring Well (shallow)
- Monitoring Well (deep)
- Temporary Monitoring Well (shallow)
- Production Well
- Recharge Well
- Soil Boring (Historical)
- Soil Boring (2014)
- Soil Boring (2015)

* 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.

0 100 200 300 400

SCALE IN FEET

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

SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

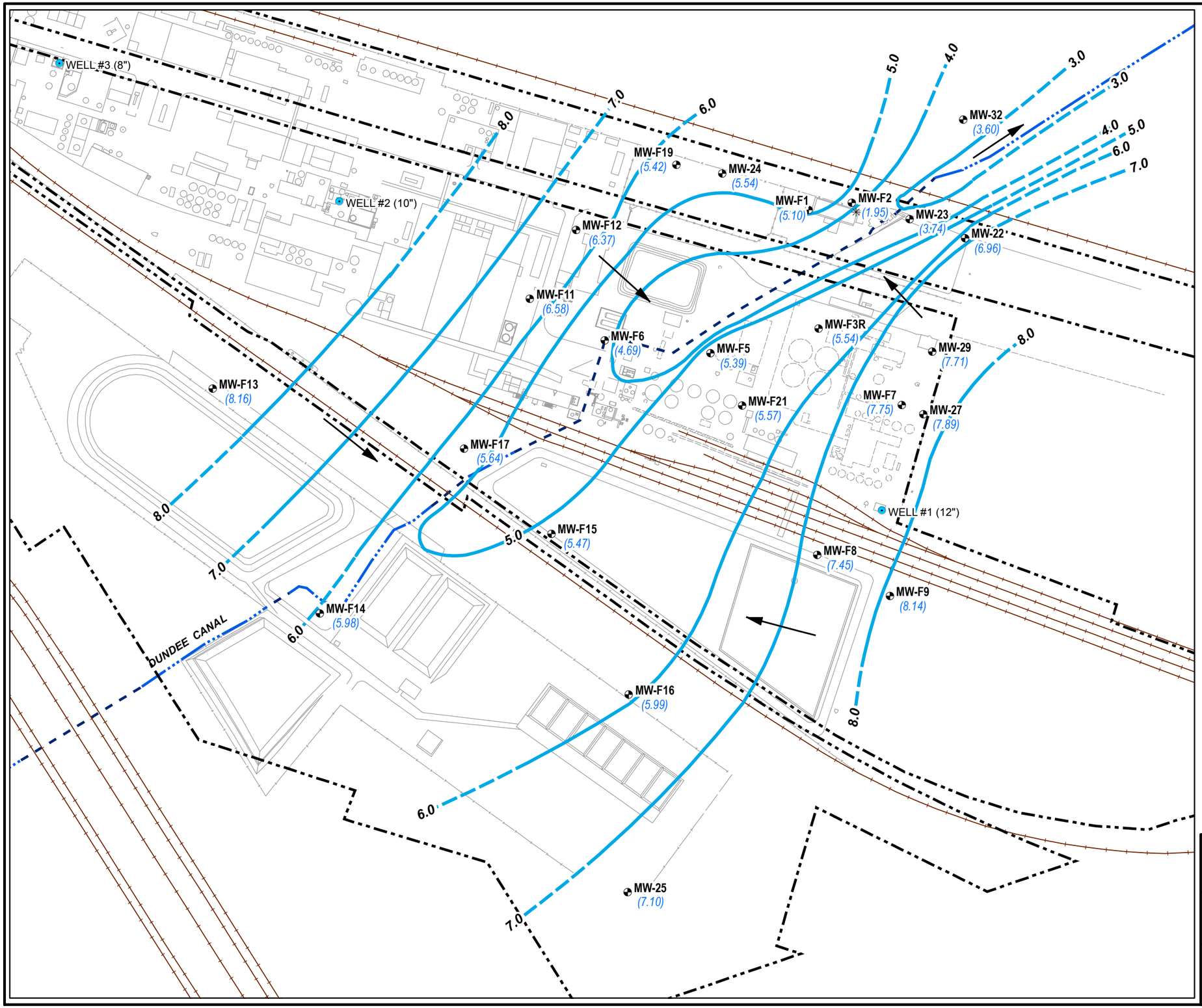
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

Sample Locations

ARCADIS Design & Consultancy for natural and built assets

FIGURE
4

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: C.MILLER BY: DHOLMES PROJECT: OH009000.GA60
PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F4 GA60_VRPSA6 2015 SBS DSIZE.MXD SAVED: 3/24/2016



LEGEND

- Hercules Property (Conner 2001)
- Monitoring Well (shallow)
- Production Well
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Groundwater Contour Line (ft amsl)
- (inferred where dashed)
- Groundwater Flow Direction
- (7.71) Groundwater Elevation (ft amsl) Measured November 2, 2015
- ✳ Not Used to Construct Contours

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

SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

Shallow Potentiometric Surface Map
November 2, 2015

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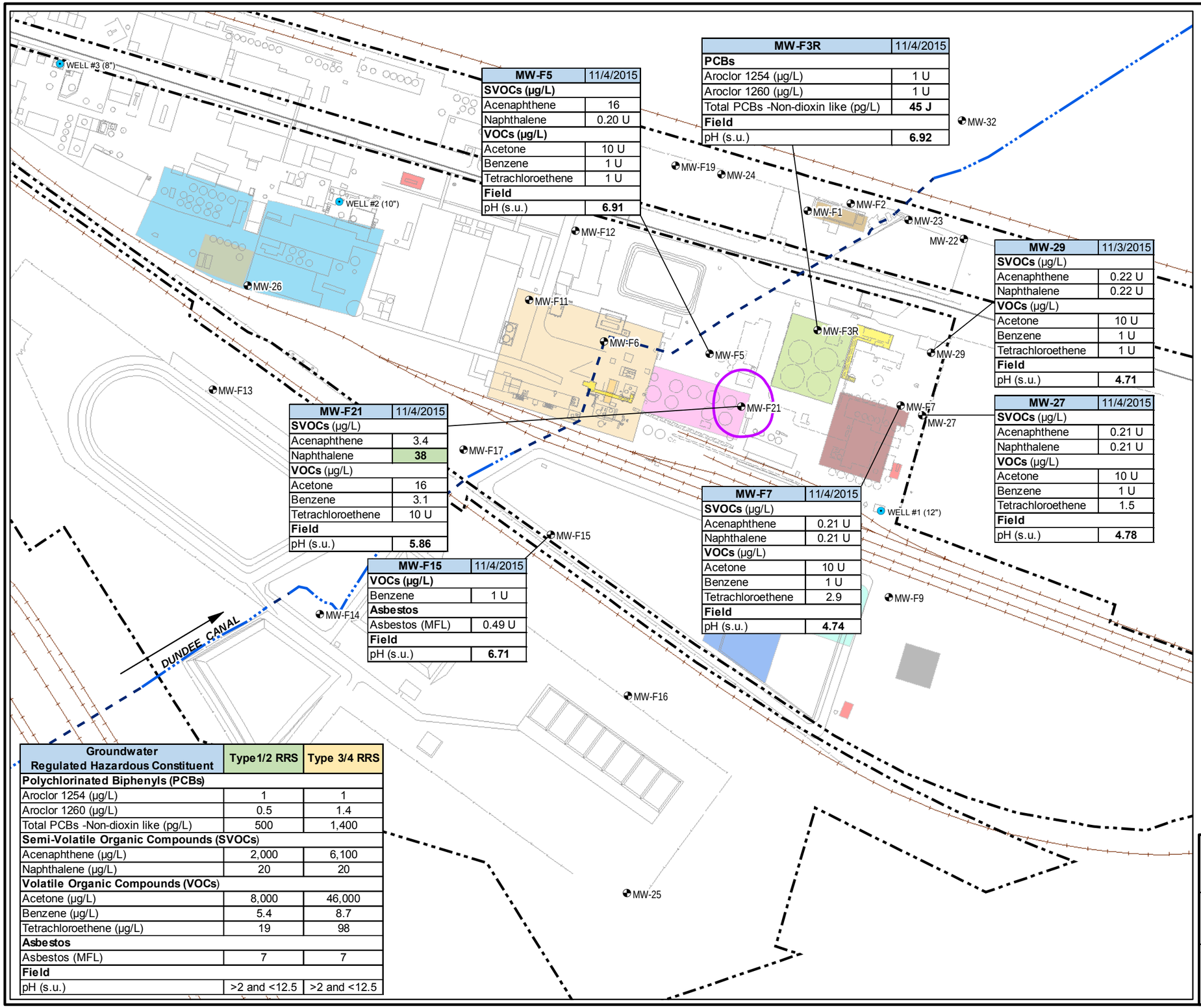
FIGURE
5

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: DHOLMES
PROJECT: OH008000.GA60 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F5 GA60_VRPSA6 201511 POT.MXD SAVED: 3/24/2016



MW-F5	11/4/2015
SVOCs (µg/L)	
Acenaphthene	16
Naphthalene	0.20 U
VOCs (µg/L)	
Acetone	10 U
Benzene	1 U
Tetrachloroethene	1 U
Field	
pH (s.u.)	**6.91**

MW-F3R	11/4/2015
PCBs	
Aroclor 1254 (µg/L)	1 U
Aroclor 1260 (µg/L)	1 U
Total PCBs -Non-dioxin like (pg/L)	**45 J**
Field	
pH (s.u.)	**6.92**

MW-29	11/3/2015
SVOCs (µg/L)	
Acenaphthene	0.22 U
Naphthalene	0.22 U
VOCs (µg/L)	
Acetone	10 U
Benzene	1 U
Tetrachloroethene	1 U
Field	
pH (s.u.)	**4.71**

MW-27	11/4/2015
SVOCs (µg/L)	
Acenaphthene	0.21 U
Naphthalene	0.21 U
VOCs (µg/L)	
Acetone	10 U
Benzene	1 U
Tetrachloroethene	1.5
Field	
pH (s.u.)	**4.78**

MW-F21	11/4/2015
SVOCs (µg/L)	
Acenaphthene	3.4
Naphthalene	**38**
VOCs (µg/L)	
Acetone	16
Benzene	3.1
Tetrachloroethene	10 U
Field	
pH (s.u.)	**5.86**

MW-F7	11/4/2015
SVOCs (µg/L)	
Acenaphthene	0.21 U
Naphthalene	0.21 U
VOCs (µg/L)	
Acetone	10 U
Benzene	1 U
Tetrachloroethene	2.9
Field	
pH (s.u.)	**4.74**

MW-F15	11/4/2015
VOCs (µg/L)	
Benzene	1 U
Asbestos	
Asbestos (MFL)	0.49 U
Field	
pH (s.u.)	**6.71**

Groundwater Regulated Hazardous Constituent	Type1/2 RRS	Type 3/4 RRS
Polychlorinated Biphenyls (PCBs)		
Aroclor 1254 (µg/L)	1	1
Aroclor 1260 (µg/L)	0.5	1.4
Total PCBs -Non-dioxin like (pg/L)	500	1,400
Semi-Volatile Organic Compounds (SVOCs)		
Acenaphthene (µg/L)	2,000	6,100
Naphthalene (µg/L)	20	20
Volatile Organic Compounds (VOCs)		
Acetone (µg/L)	8,000	46,000
Benzene (µg/L)	5.4	8.7
Tetrachloroethene (µg/L)	19	98
Asbestos		
Asbestos (MFL)	7	7
Field		
pH (s.u.)	>2 and <12.5	>2 and <12.5

LEGEND

- Hercules Property (Conner 2001)
- Monitoring Well (shallow)
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Type 1/2 RRS Isocontour

NOTES:
1) Analytical results represent data from November 2-4, 2015, 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) **BOLD** - Concentration exceeds Type I/2 RRS.

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

0 160 320
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

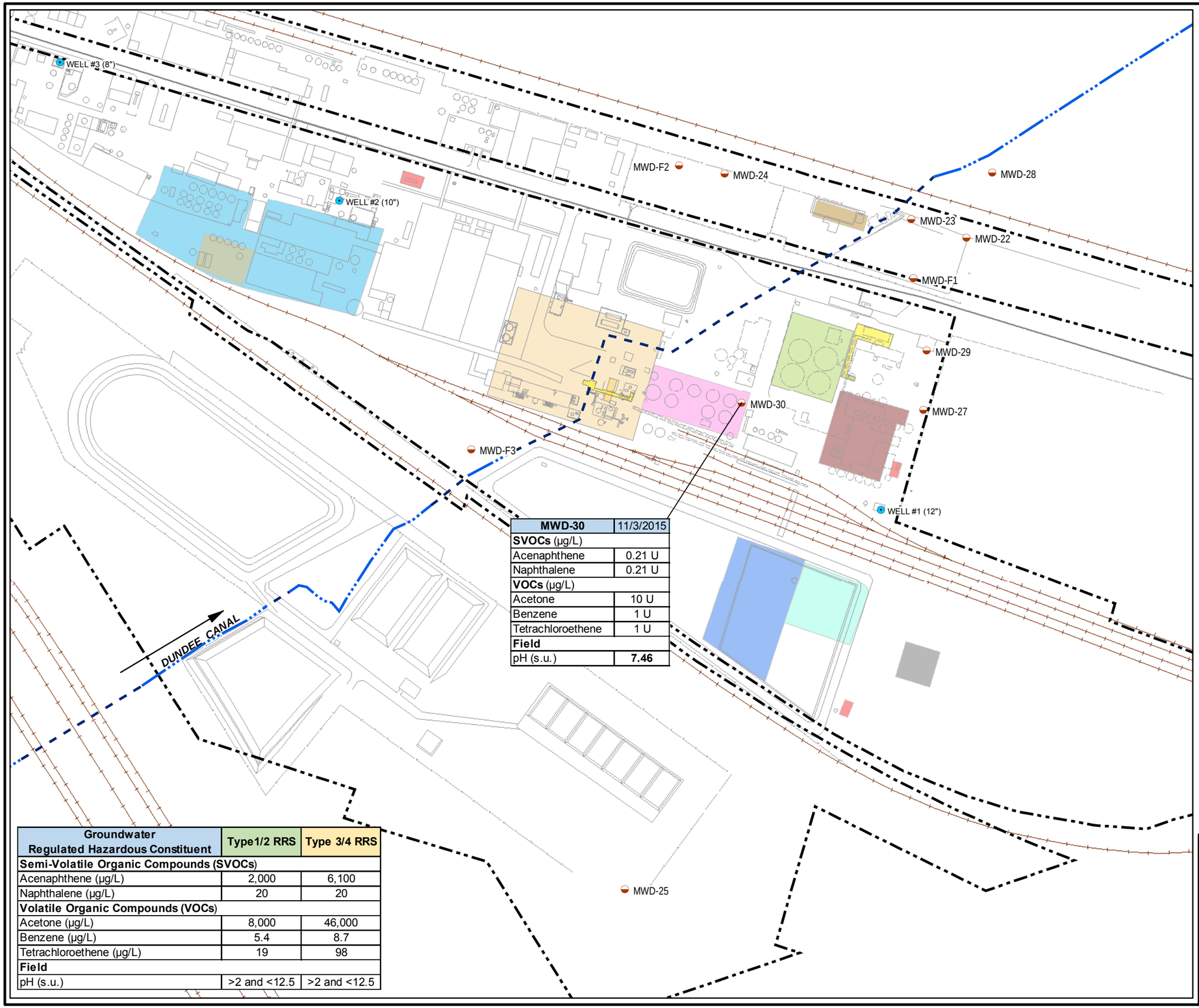
SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

Regulated Constituents in Shallow Groundwater, November 2015

ARCADIS Design & Consultancy for natural and built assets

FIGURE
6a

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: DHOLMES
PROJECT: OH008000.GA60 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F6A GA60_VRPSA5 GW 201511 COCS S.MXD SAVED: 3/24/2016



MWD-30	11/3/2015
SVOCs (µg/L)	
Acenaphthene	0.21 U
Naphthalene	0.21 U
VOCs (µg/L)	
Acetone	10 U
Benzene	1 U
Tetrachloroethene	1 U
Field	
pH (s.u.)	**7.46**

Groundwater Regulated Hazardous Constituent	Type1/2 RRS	Type 3/4 RRS
Semi-Volatile Organic Compounds (SVOCs)		
Acenaphthene (µg/L)	2,000	6,100
Naphthalene (µg/L)	20	20
Volatile Organic Compounds (VOCs)		
Acetone (µg/L)	8,000	46,000
Benzene (µg/L)	5.4	8.7
Tetrachloroethene (µg/L)	19	98
Field		
pH (s.u.)	>2 and <12.5	>2 and <12.5

LEGEND

- Hercules Property (Conner 2001)
- Monitoring Well (deep)
- Production Well
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction

NOTES:
1) Analytical results represent data from November 2-4, 2015, 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.

U - Indicates the analyte was analyzed for but not detected.
s.u. - Standard unit

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

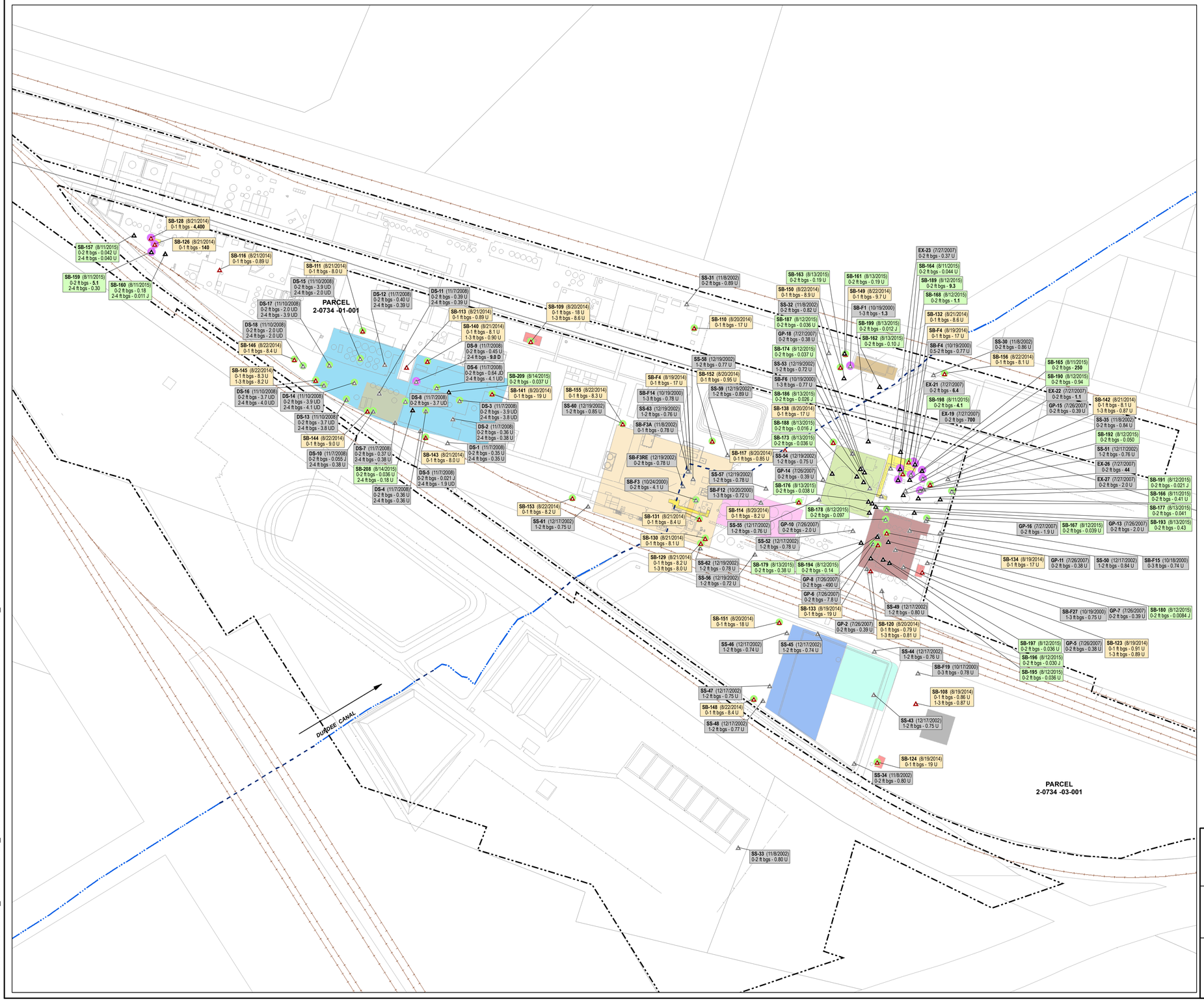
SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

Regulated Constituents in Deep Groundwater, November 2015

ARCADIS Design & Consultancy for natural and built assets

FIGURE
6b

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA DBASE: T.WALL BY: DHOLMES
PROJECT: OH008000.GA60 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F6B GA60_VRPSA6 GW 201511 COCS D.MXD SAVED: 3/24/2016



LEGEND

- Hercules Property (Conner 2001)
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August 2015)
- Laboratory Reporting Limit above Type 1/2 RRS
- Result above Type 1/2 RRS (1.0 mg/kg)

EX-19 (7/27/2007) 0 - 2 ft bgs - 700	Sample ID (Date) Depth - 1,1-Biphenyl Concentration Reported in Voluntary Investigation and Remediation Plan (ARCADIS 2012).
SB-132 (8/21/2014) 0 - 1 ft bgs - 8.6 U	Sample ID (Date) Depth - 1,1-Biphenyl Concentration (Arcadis, August 2014)
SB-165 (8/11/2015) 0 - 2 ft bgs - 250	Sample ID (Date) Depth - 1,1-Biphenyl Concentration (Arcadis, August 2015)

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) Location of EX-27 is unknown.

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

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

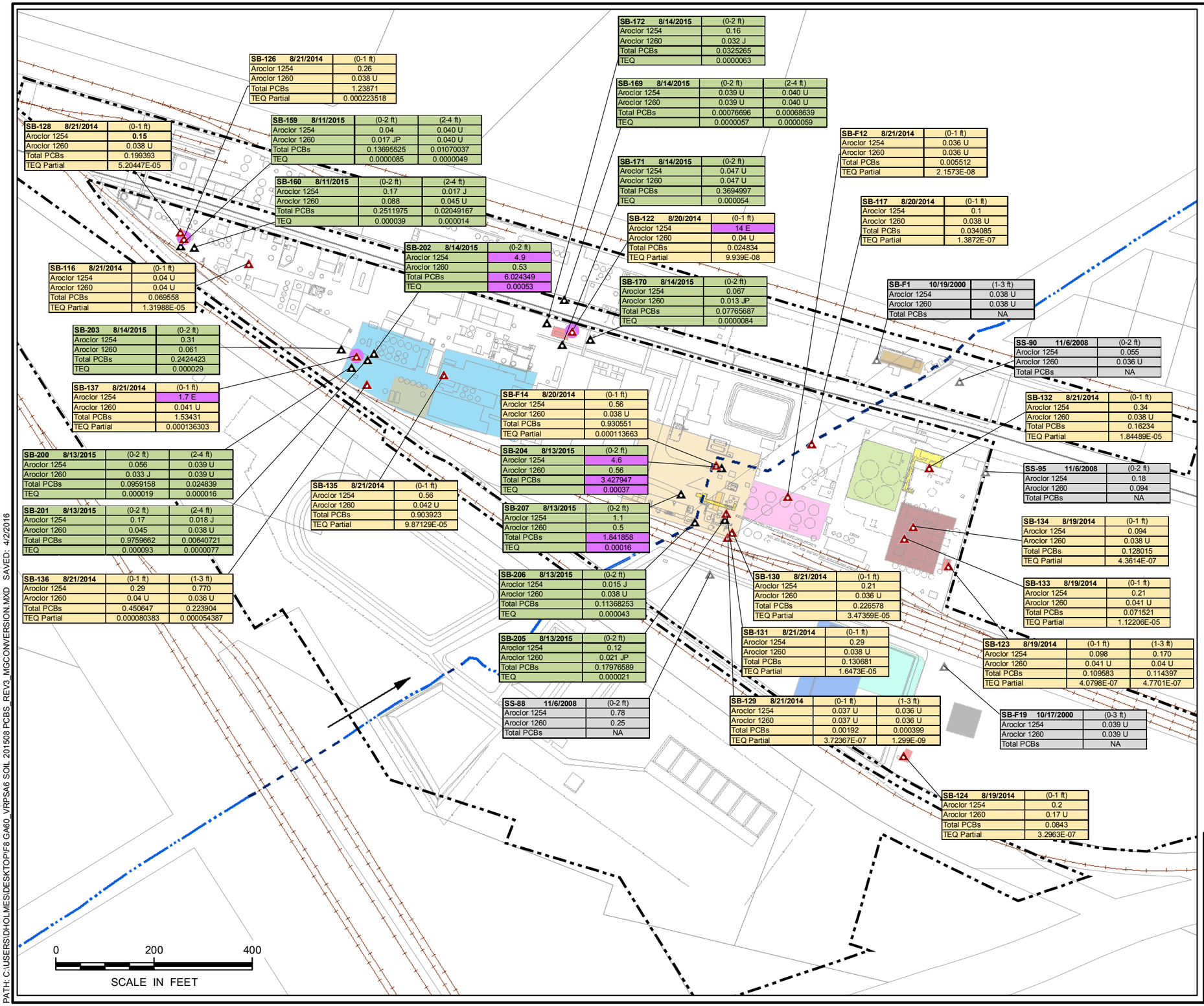
SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

1,1-Biphenyl Delineation in Soil

ARCADIS Design & Consultancy for natural and built assets

FIGURE
7

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: C.MILLER BY: CCSMITH PROJECT: OH009000.GA60
PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F7 GA60_VRPSA6 SOIL 201508 BIPHENYL DSIZE.MXD SAVED: 4/4/2016



LEGEND

- Hercules Property (Conner 2001)
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Soil Boring (2000-2008)
- Soil Boring (August 2014)
- Soil Boring (August/September 2015)
- Laboratory Reporting Limit above Type 1/2 RRS

Constituent	Type 1/2 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

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 concentrations reported in milligrams per kilogram (mg/kg).
6) The highest of the Type 1/2 RRS was used for delineation purposes.
7) Shaded represent results from historical sampling events before 2014.
8) Shaded represent results are from August 2014 sampling result.
9) Shaded represent results are from August 2015 sampling result.
10) Shaded represent results above the Type 2 RRS.

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.

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

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SAVANNAH, GEORGIA (HSI #10696)
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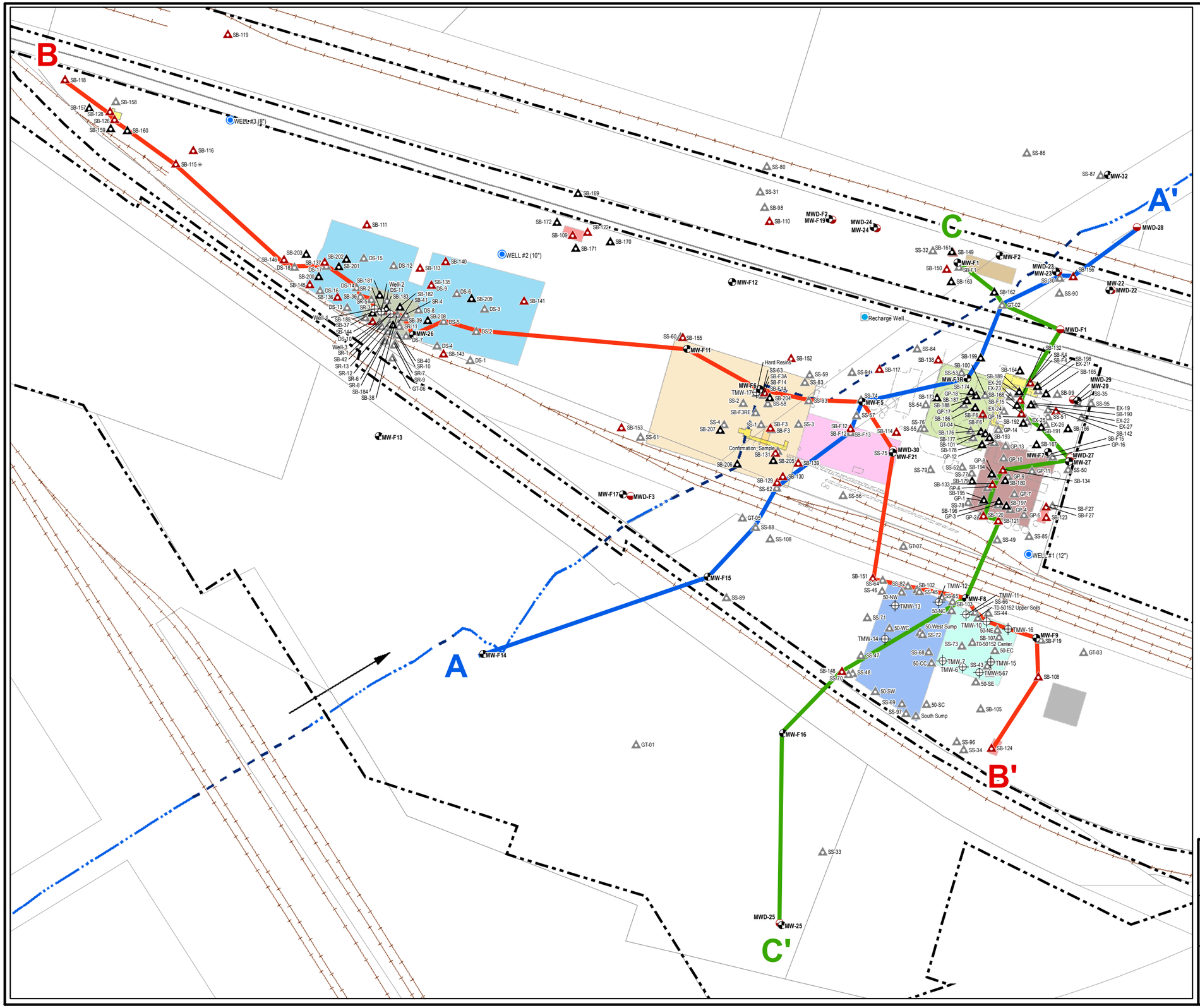
PCB Delineation in Soil

ARCADIS Design & Consultancy for natural and built assets

FIGURE
8

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: C.MILLER BY: DHOLMES PROJECT: OH009000.GA60
PATH: C:\USERS\DHOLMES\DESKTOP\F8.GA60_VRPSA6 SOIL 201508 PCBS_REV3_MGCONVERSION.MXD SAVED: 4/2/2016



CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: C.MILLER BY: DHOLMES PROJECT: OH009000.GA60
PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F9 GA60_VRPSA6 XSEC LOCS.MXD SAVED: 3/24/2016

LEGEND

- Hercules Property (Conner 2001)
- Contractor Yard
- Former CTO ASTs 60's
- ASTs 30's
- Former Fatty Acid ASTs 50's
- Hard Resins Area
- Primary Oil/Water Separator
- Former Tall Oil Plant
- Former CTO Tank Area (Tall Oil Release)
- Dowtherm Release
- Former Dowtherm Unit
- Electrical Substation
- Former Dry Size Area
- Former Size Tank Area
- Dundee Canal (culverted section)
- Dundee Canal (open section)
- Canal Flow Direction
- Monitoring Well (shallow)
- Monitoring Well (deep)
- Temporary Monitoring Well (shallow)
- Production Well
- Recharge Well
- Soil Boring (Historical)
- Soil Boring (2014)
- Soil Boring (2015)

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

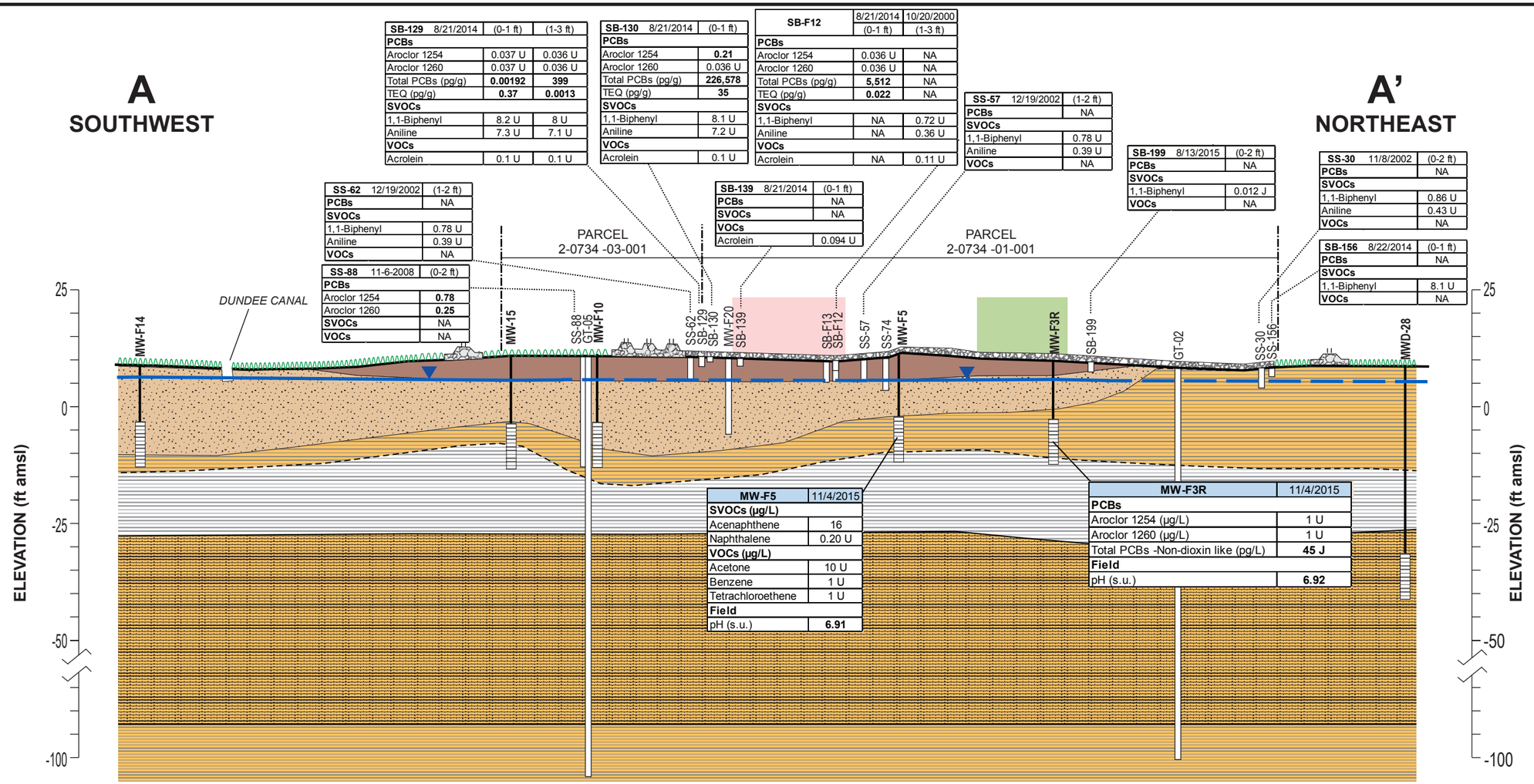
SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)

VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

Geologic Cross-Section Locations

ARCADIS Design & Consultancy for natural and built assets

FIGURE
9



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-F5	11/4/2015
SVOCs (µg/L)	
Acenaphthene	16
Naphthalene	0.20 U
VOCs (µg/L)	
Acetone	10 U
Benzene	1 U
Tetrachloroethene	1 U
Field	
pH (s.u.)	**6.91**

MW-F3R	11/4/2015
PCBs	
Aroclor 1254 (µg/L)	1 U
Aroclor 1260 (µg/L)	1 U
Total PCBs -Non-dioxin like (pg/L)	**45 J**
Field	
pH (s.u.)	**6.92**

LEGEND

- Water-Table (November 2, 2015) (inferred where dashed)
- Soil Boring
- Monitoring Well Screened Interval
- Railroad Easement
- Concrete/Asphalt
- Grass
- ASTs 30's
- 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

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	Type1/2 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 -Non-dioxin like (pg/L)	500	1,400
Semi-Volatile Organic Compounds (SVOCs)		
Acenaphthene (µg/L)	2,000	6,100
Naphthalene (µg/L)	20	20
Volatile Organic Compounds (VOCs)		
Acetone (µg/L)	8,000	46,000
Benzene (µg/L)	5.4	8.7
Tetrachloroethene (µg/L)	19	98
Field		
pH (s.u.)	>2 and <12.5	>2 and <12.5

NOTES:
1) Groundwater analytical results represent data from November 2-4, 2015, 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.

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

0 125' 250'
HORIZONTAL SCALE

VERTICAL EXAGGERATION: 5X

SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

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

ARCADIS Design & Consultancy for natural and built assets

FIGURE
10

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA BY: B.ALTOM
PROJECT: OH009000.GA60 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F10 GA60_VRPSA5 XSEC AA.cdr SAVED: 9MAR2016

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-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-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-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-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

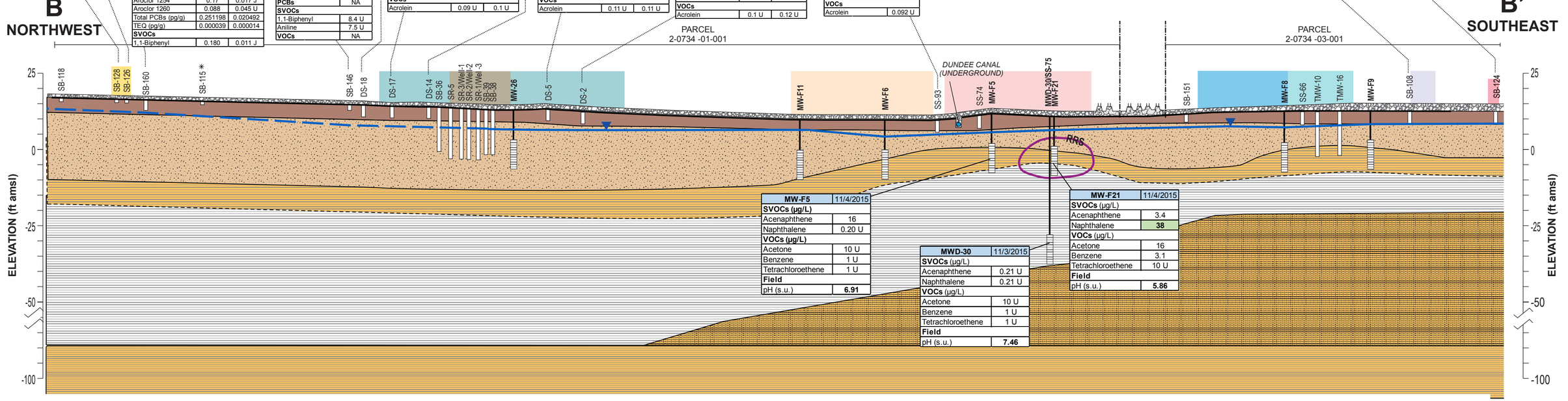
DS-5 11/7/2008	(0-2 ft)	(2-4 ft)
PCBs	NA	NA
SVOCs		
1,1-Biphenyl	**0.021 J**	1.9 UD
Aniline	0.74 U	3.7 UD
VOCs		
Acrolein	0.11 U	0.11 U

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

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

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

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



MW-F5	11/4/2015
SVOCs (µg/L)	
Acenaphthene	16
Naphthalene	0.20 U
VOCs (µg/L)	
Acetone	10 U
Benzene	1 U
Tetrachloroethene	1 U
Field	
pH (s.u.)	**6.91**

MWD-30	11/3/2015
SVOCs (µg/L)	
Acenaphthene	0.21 U
Naphthalene	0.21 U
VOCs (µg/L)	
Acetone	10 U
Benzene	1 U
Tetrachloroethene	1 U
Field	
pH (s.u.)	**7.46**

MW-F21	11/4/2015
SVOCs (µg/L)	
Acenaphthene	3.4
Naphthalene	**38**
VOCs (µg/L)	
Acetone	16
Benzene	3.1
Tetrachloroethene	10 U
Field	
pH (s.u.)	**5.86**

LEGEND

- Water-Table (November 2, 2015) (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
- Tank Area
- Hard Resins Area
- Former Fatty Acid ASTs 50's
- Former CTO ASTs 60's
- ASTs 30's
- 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	Type1/2 RRS	Type 3/4 RRS
Semi-Volatile Organic Compounds (SVOCs)		
Acenaphthene (µg/L)	2,000	6,100
Naphthalene (µg/L)	20	20
Volatile Organic Compounds (VOCs)		
Acetone (µg/L)	8,000	46,000
Benzene (µg/L)	5.4	8.7
Tetrachloroethene (µg/L)	19	98
Field		
pH (s.u.)	>2 and <12.5	>2 and <12.5

NOTES:
1) Groundwater analytical results represent data from November 2-4, 2015, 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 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

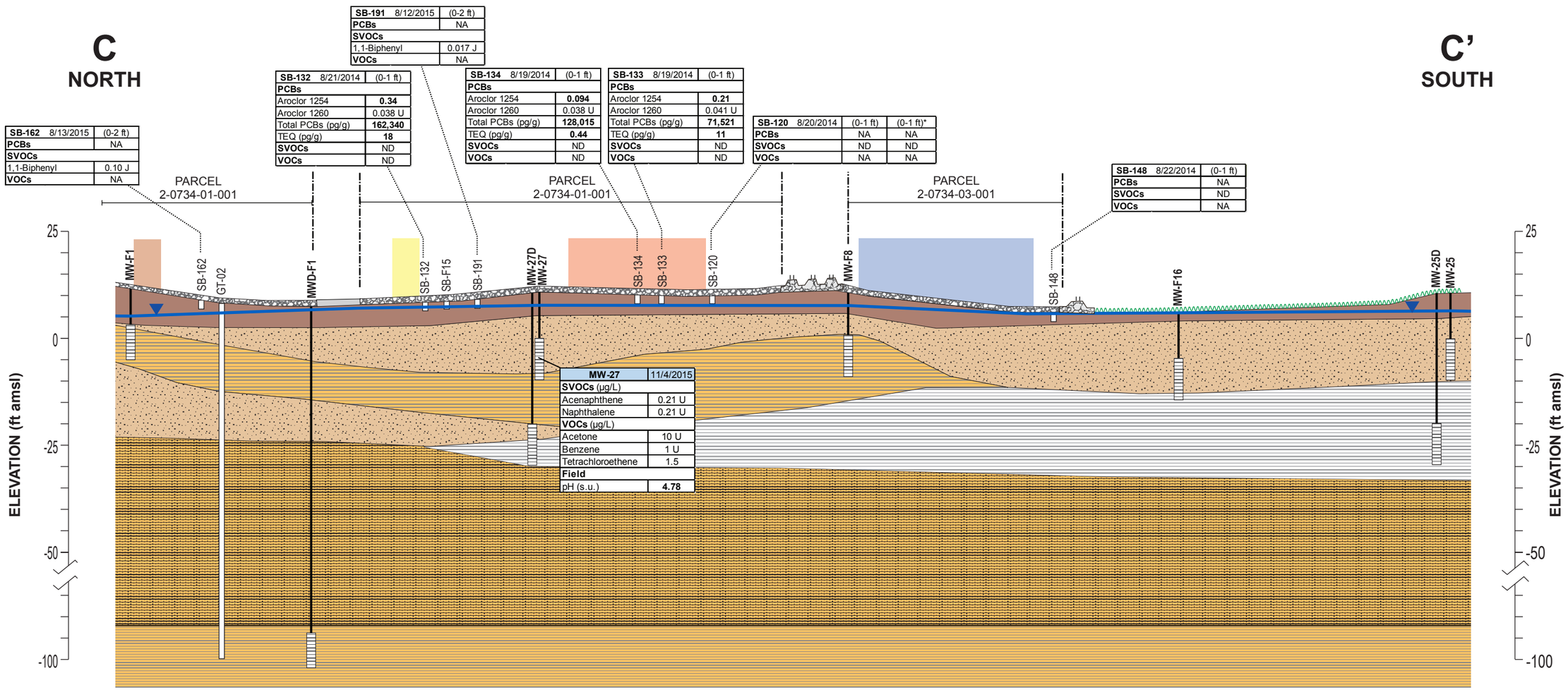
SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

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

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: J.HANNA BY: B.ALTOM
PROJECT: OH0090013460 PATH: G:\GIS\HSI-LAND_REMEDIATION\SAVANNAH\MXD\SD2016\SA\PROGRESS NO\6F11 GA60_VRPSA5 XSEC BB.cdr SAVED: 9MAR2016



SB-162 8/13/2015	(0-2 ft)
PCBs	NA
SVOCs	
1,1-Biphenyl	0.10 J
VOCs	NA

SB-132 8/21/2014	(0-1 ft)
PCBs	
Aroclor 1254	**0.34**
Aroclor 1260	0.038 U
Total PCBs (pg/g)	**162,340**
TEQ (pg/g)	**18**
SVOCs	ND
VOCs	ND

SB-191 8/12/2015	(0-2 ft)
PCBs	NA
SVOCs	
1,1-Biphenyl	0.017 J
VOCs	NA

SB-134 8/19/2014	(0-1 ft)
PCBs	
Aroclor 1254	**0.094**
Aroclor 1260	0.038 U
Total PCBs (pg/g)	**128,015**
TEQ (pg/g)	**0.44**
SVOCs	ND
VOCs	ND

SB-133 8/19/2014	(0-1 ft)
PCBs	
Aroclor 1254	**0.21**
Aroclor 1260	0.041 U
Total PCBs (pg/g)	**71,521**
TEQ (pg/g)	**11**
SVOCs	ND
VOCs	ND

SB-120 8/20/2014	(0-1 ft)	(0-1 ft)*
PCBs	NA	NA
SVOCs	ND	ND
VOCs	NA	NA

SB-148 8/22/2014	(0-1 ft)
PCBs	NA
SVOCs	ND
VOCs	NA

MW-27	11/4/2015
SVOCs (µg/L)	
Acenaphthene	0.21 U
Naphthalene	0.21 U
VOCs (µg/L)	
Acetone	10 U
Benzene	1 U
Tetrachloroethene	1.5
Field	
pH (s.u.)	**4.78**

LEGEND

- Water-Table (November 2, 2015) (inferred where dashed)
- Soil Boring
- Monitoring Well Screened Interval
- Railroad Easement
- Concrete/Asphalt
- Grass
- Former CTO ASTs 60's
- 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	Type 1/2 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
Semi-Volatile Organic Compounds (SVOCs)		
Acenaphthene (µg/L)	2,000	6,100
Naphthalene (µg/L)	20	20
Volatile Organic Compounds (VOCs)		
Acetone (µg/L)	8,000	46,000
Benzene (µg/L)	5.4	8.7
Tetrachloroethene (µg/L)	19	98
Field		
pH (s.u.)	>2 and <12.5	>2 and <12.5

NOTES:
1) Groundwater analytical results represent data from November 2-4, 2015, 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 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

SOLENIS INTERNATIONAL, L.P. - SAVANNAH PLANT
SAVANNAH, GEORGIA (HSI #10696)
VOLUNTARY INVESTIGATION AND REMEDIATION PLAN
SEMIANNUAL PROGRESS REPORT #6

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

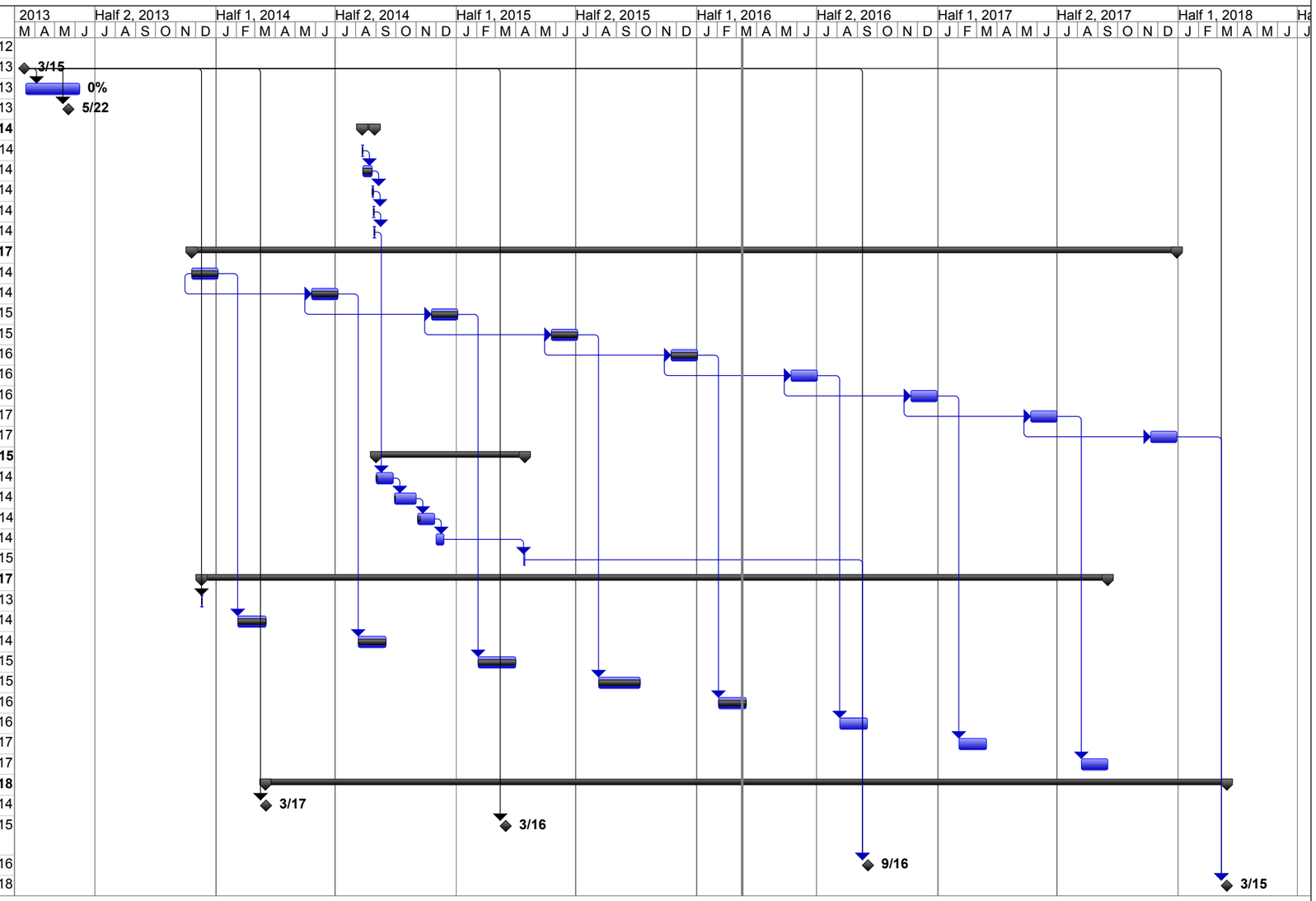
ARCADIS Design & Consultancy for natural and built assets

FIGURE
12

CITY: KNOXVILLE DIV/GROUP: ENV/GIS LD: B.ALTOM PIC: J.REID PM: D.WILDERMAN TM: J.HANNA BY: B.ALTOM
PROJECT: OH009000.GA60 PATH: G:\GIS\ASHLAND_HERCULES\GA_SAVANNAH\MAPDOCS\2016\SA PROGRESS NO6\F12 GA60_VRPSA6 XSEC CC.cdr SAVED: 9MAR2016

Figure 13
Solenis International, L.P.
3000 Louisville Road, Savannah, Georgia
Updated Voluntary Remediation Program Milestone Schedule

ID		Task Name	Duration	Start	Finish
1	✓	Submit VRP Application	1 day	Mon 4/9/12	Mon 4/9/12
2	✓	EPD Approval of VRP Application	1 day	Fri 3/15/13	Fri 3/15/13
3		Prepare Investigation Work Plan	60 days	Mon 3/18/13	Fri 6/7/13
4	✓	Record deed notice	0 days	Wed 5/22/13	Wed 5/22/13
5	✓	**Field Activities**	**15 days**	**Mon 8/11/14**	**Fri 8/29/14**
6	✓	Mobilize for data collection	1 day	Mon 8/11/14	Mon 8/11/14
7	✓	Confirmatory soil sampling	10 days	Tue 8/12/14	Mon 8/25/14
8	✓	Slug testing	2 days	Tue 8/26/14	Wed 8/27/14
9	✓	Well gauging	1 day	Thu 8/28/14	Thu 8/28/14
10	✓	Surface water/ sediment sampling	1 day	Fri 8/29/14	Fri 8/29/14
11		**Semiannual groundwater sampling**	**1070 days**	**Mon 11/25/13**	**Fri 12/29/17**
12	✓	Sampling and analysis event	30 days	Mon 11/25/13	Fri 1/3/14
13	✓	Sampling and analysis event	30 days	Mon 5/26/14	Fri 7/4/14
14	✓	Sampling and analysis event	30 days	Mon 11/24/14	Fri 1/2/15
15	✓	Sampling and analysis event	30 days	Mon 5/25/15	Fri 7/3/15
16	✓	Sampling and analysis event	30 days	Mon 11/23/15	Fri 1/1/16
17		Sampling and analysis event	30 days	Mon 5/23/16	Fri 7/1/16
18		Sampling and analysis event	30 days	Mon 11/21/16	Fri 12/30/16
19		Sampling and analysis event	30 days	Mon 5/22/17	Fri 6/30/17
20		Sampling and analysis event	30 days	Mon 11/20/17	Fri 12/29/17
21		**Data analysis**	**162 days**	**Mon 9/1/14**	**Tue 4/14/15**
22		Delineation assessment	20 days	Mon 9/1/14	Fri 9/26/14
23		Human health risk assessment	25 days	Mon 9/29/14	Fri 10/31/14
24		Ecological risk assessment	20 days	Mon 11/3/14	Fri 11/28/14
25		CSM update	10 days	Mon 12/1/14	Fri 12/12/14
26		Delineation assessment phase 2	2 days	Mon 4/13/15	Tue 4/14/15
27		**Reporting**	**984 days**	**Tue 12/10/13**	**Fri 9/15/17**
28	✓	Semiannual Progress Update #1	1 day	Tue 12/10/13	Tue 12/10/13
29	✓	Semiannual Progress Report #2	31 days	Mon 2/3/14	Mon 3/17/14
30	✓	Semiannual Progress Report #3	30 days	Tue 8/5/14	Mon 9/15/14
31	✓	Semiannual Progress Report #4	41 days	Tue 2/3/15	Tue 3/31/15
32	✓	Semiannual Progress Report #5	45 days	Wed 8/5/15	Tue 10/6/15
33	✓	Semiannual Progress Report #6	30 days	Wed 2/3/16	Tue 3/15/16
34		Semiannual Progress Report #7	30 days	Fri 8/5/16	Thu 9/15/16
35		Semiannual Progress Report #8	30 days	Thu 2/2/17	Wed 3/15/17
36		Semiannual Progress Report #9	30 days	Mon 8/7/17	Fri 9/15/17
37		**Required Performance Milestones**	**1044 days**	**Mon 3/17/14**	**Thu 3/15/18**
38	✓	Horizontal delineation complete (onsite)	1 day	Mon 3/17/14	Mon 3/17/14
39		Horizontal delineation complete (off-site)	1 day	Mon 3/16/15	Mon 3/16/15
40		Submit updated CSM	1 day	Fri 9/16/16	Fri 9/16/16
41		CSR submittal	1 day	Thu 3/15/18	Thu 3/15/18



Project: 2016_03_15_Savannah Herc
Date: Thu 3/10/16

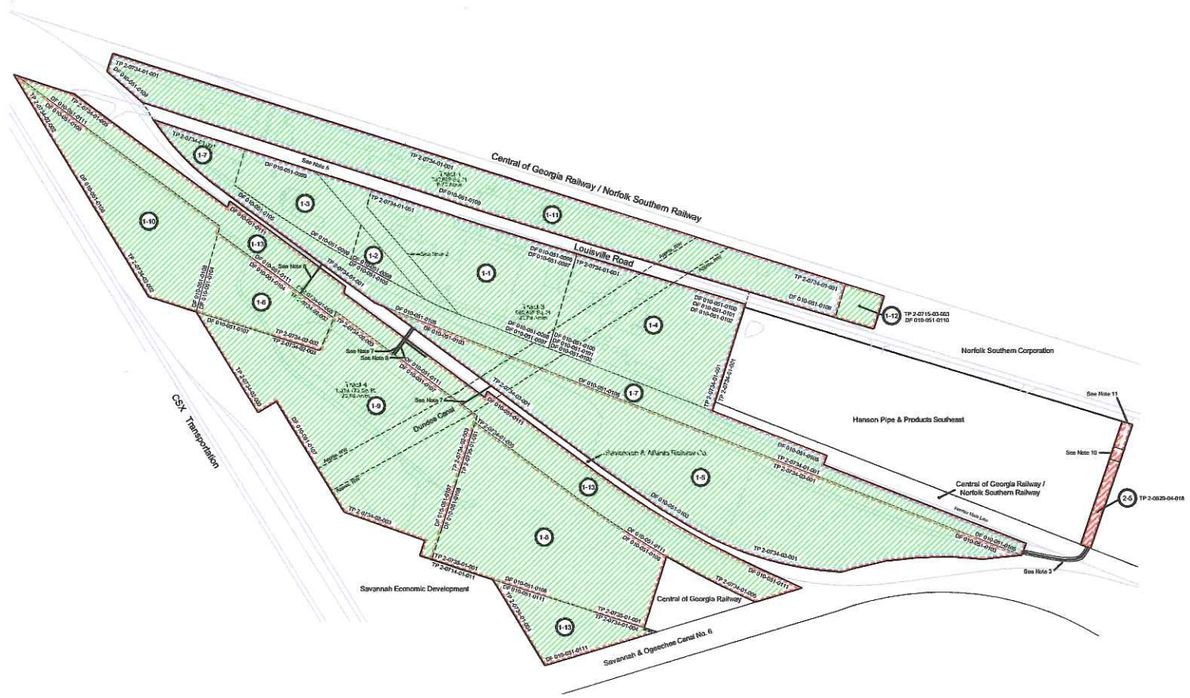
Task		Project Summary		Inactive Milestone		Manual Summary Rollup		Progress	
Split		External Tasks		Inactive Summary		Manual Summary		Deadline	
Milestone		External Milestone		Manual Task		Start-only			
Summary		Inactive Task		Duration-only		Finish-only			

APPENDIX A

Tax Parcel Map & Hercules Survey
(Connor and Associates (March 2001)

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	1.08 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 Lamas 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

- Property 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:

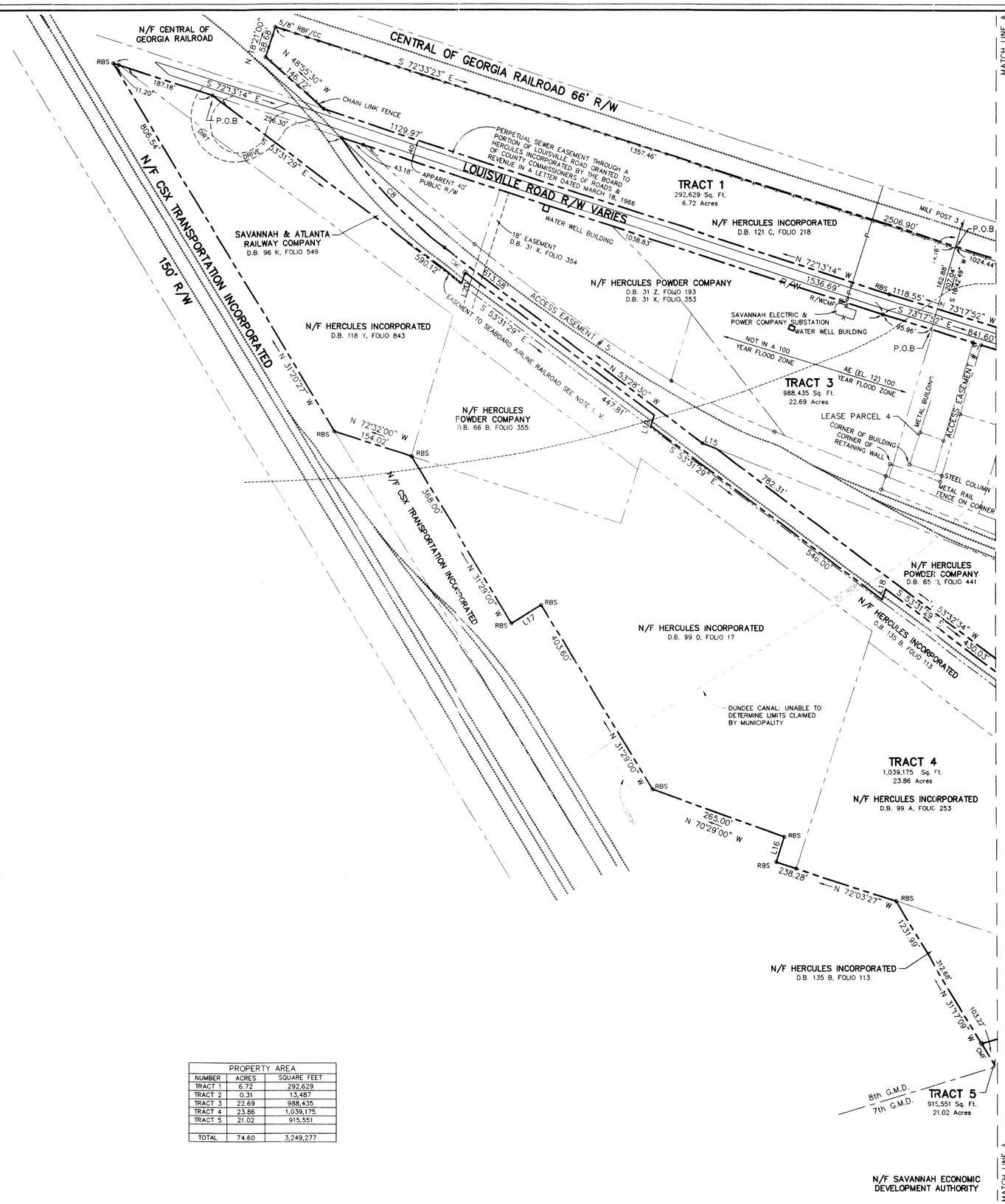
1. THE UNDERSIGNED IS A DULY LICENSED AND REGISTERED LAND SURVEYOR FOR THE STATE OF GEORGIA.
2. THE UNDERSIGNED PREPARED THE PLAT OF SURVEY ENTITLED "BOUNDARY SURVEY OF THE HERCULES INCORPORATED PROPERTY, SAVANNAH GEORGIA PLANT", DATED MARCH 16, 2001. THE SURVEY DEPICTS: (A) THE POINT OF REFERENCE FROM 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



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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

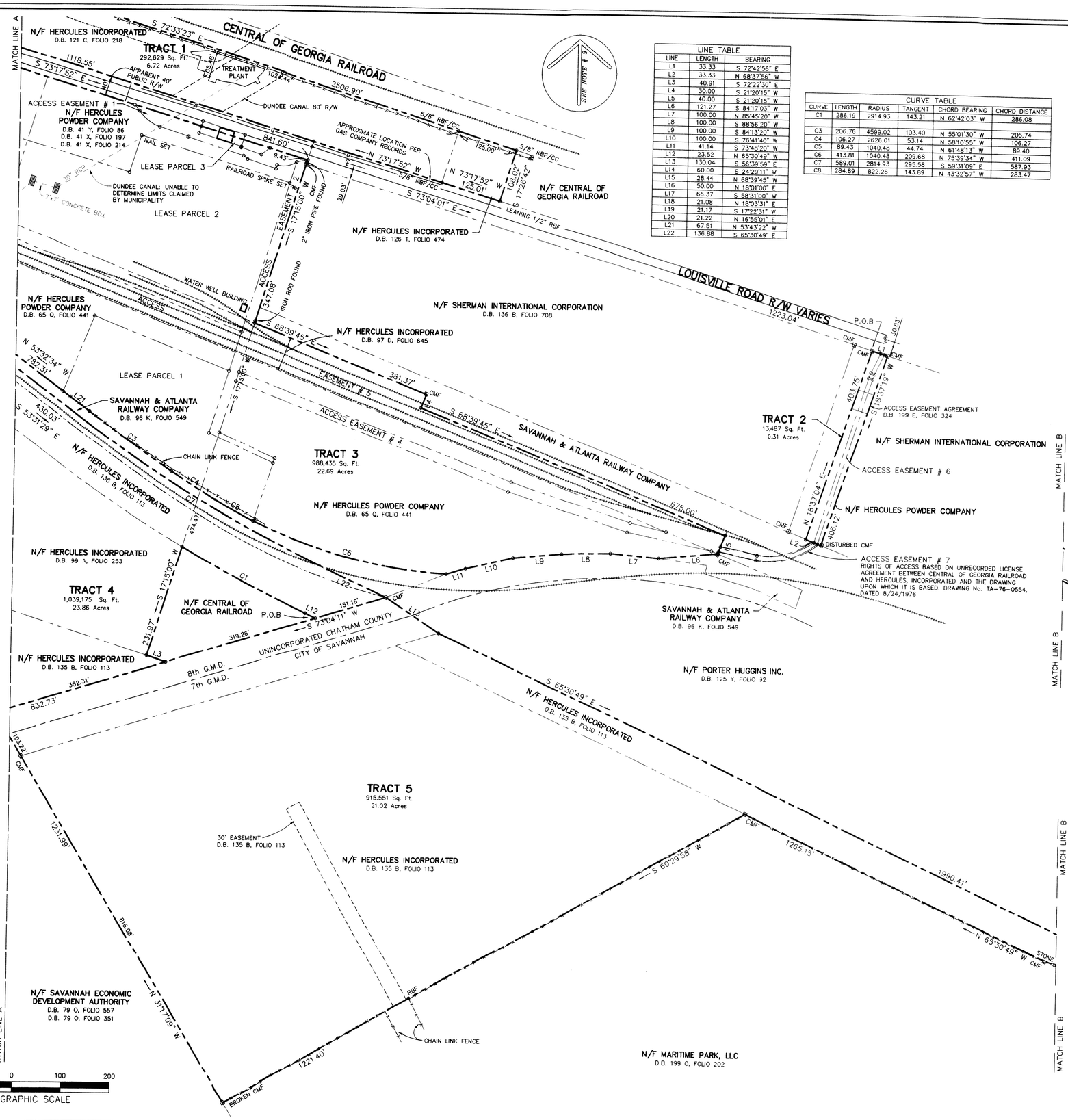
GEORGIA REGISTERED LAND SURVEYOR WRIGHT C. POWERS, JR. No. 2612 3-16-01

REVISIONS:

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

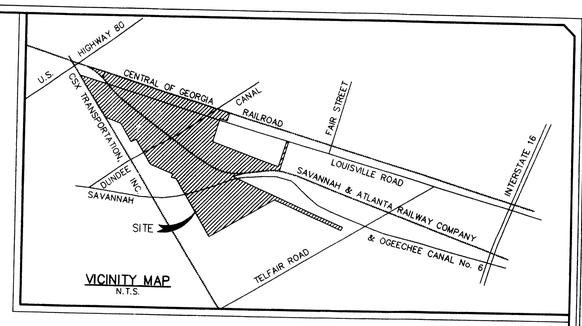
SHEET 1 OF 3

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 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.

100 50 0 100 200

GRAPHIC SCALE

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 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.

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.

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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

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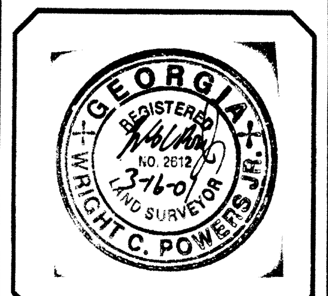

REVISIONS:

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

Purging and Sample Logs

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland - Hercules	SITE LOCATION: Savannah, GA	
WELL NO: MW-F3R	SAMPLE ID: MW-F3R (11 04 15)	DATE: 11/04/15

PURGING DATA

WELL DIAMETER (inches): 2 inches	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 6.65	PURGE PUMP TYPE OR BAILER: Peristal HC ~~Dedicated Bladder Pump~~ 08 11/4/15

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= liters + (0.057 liters/foot X 15 feet) + 0.4 liters = 0.85 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1234	PURGING ENDED AT: 1254	TOTAL VOLUME PURGED (Liters): 2.5

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or mS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
1	1239	0.625	0.625	0.125	6.82	6.94	21.03	830	0.61	0.80	-375.2
1	1244	0.625	1.25	0.125	6.81	6.93	20.98	833	0.48	0.64	-397.0
1	1249	0.625	1.875	0.125	6.81	6.92	21.00	838	0.38	0.91	-403.0
1	1254	0.625	2.5	0.125	6.81	6.92	21.08	841	0.35	0.95	-403.8
1											
1											
1											
1											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Bagley	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1259	SAMPLING ENDED AT: 1320
PUMP OR TUBING DEPTH IN WELL (feet): 15	SAMPLE PUMP FLOW RATE (L per minute): 0.125	TUBING MATERIAL CODE: HDPE / PTFE Teflon Lined LDPE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
~~3~~	~~40 ml~~	~~HCL~~	~~8260 (VOC)~~
~~1~~	~~250 ml~~	~~HNO3~~	~~6010 (total metals Pb & Cr)~~
~~2~~	~~1000ml~~		~~8270 (SVOC)~~
2	1000mL	None	1668C 1668
2	1000ml	None	8081B 8082A 8082

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Turbidity:	<10 NTU or ± 10%	ORP:	± 10 mV
Temp.:	± 0.5°	Dissolved Oxygen:	± 0.2 mg/L
pH:	± 0.1 units		
Specific Conductance:	± 3%		
Drawdown:	0.33 ft or less		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland - Hercules	SITE LOCATION: Savannah, GA	
WELL NO: MW-F7	SAMPLE ID: MW-F7 (11 04 15)	DATE: 11/04/15

PURGING DATA

WELL DIAMETER (inches): 2in	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 5.20	PURGE PUMP TYPE OR BAILER: Peristaltic ~~Dedicated Bladder Pump~~ CB 11/4/15

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= liters + (0.097 liters/foot X 15 feet) + 0.4 liters = 0.55 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 0912	PURGING ENDED AT: 0942	TOTAL VOLUME PURGED (Liters): 3.75

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
1	0917	0.625	0.625	0.125	5.44	4.42	20.83	235	1.18	1.87	19.9
1	0922	0.625	1.25	0.125	5.39	4.41	20.65	236	1.14	0.69	42.1
1	0927	0.625	1.875	0.125	~~5.39~~	4.54	20.68	258	0.77	1.12	-15.8
1	0932	0.625	2.5	0.125	5.38	4.70	20.71	275	0.52	0.54	-1.5
1	0937	0.625	3.125	0.125	5.38	4.73	20.73	278	0.47	0.98	-26.5
1	0942	0.625	3.75	0.125	5.38	4.74	20.77	280	0.45	1.37	9.4
1											
1											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Bagley / Antea Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 0945	SAMPLING ENDED AT: 1005
PUMP OR TUBING DEPTH IN WELL (feet): 15	SAMPLE PUMP FLOW RATE (L per minute): 0.125	TUBING MATERIAL CODE: HDPE / PTFE Teflon Lined LDPE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)
~~1~~	~~250 ml~~	~~HNO3~~ CB 11/4/15	~~6010 (total metals Pb & Cr)~~
2	1000ml	----	8270 (SVOC)

REMARKS: @ Time 0927 = DTW = 5.38 ORP would not Stabilize

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Turbidity:	<10 NTU or ± 10%	ORP:	± 10 mV
Temp.:	± 0.5°	Dissolved Oxygen:	± 0.2 mg/L
pH:	± 0.1 units		
Specific Conductance:	± 3%		
Drawdown:	0.33 ft or less		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland - Hercules		SITE LOCATION: Savannah, GA	
WELL NO: MW-F5	SAMPLE ID: ~~MW-F5 (110415)~~ CS 11/4/15 MW-F5 (110415)		DATE: 11/4/15

PURGING DATA

WELL DIAMETER (inches): 2 inches	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 5.96	PURGE PUMP TYPE OR BAILER: Peristaltic ~~Dedicated Bladder Pump~~ CS 11/4/15

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= liters + (0.0052 liters/foot X 15 feet) + 0.4 liters = 0.55 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1018	PURGING ENDED AT: 1043	TOTAL VOLUME PURGED (Liters): 3.125

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
1	1023	0.625	0.625	0.125	6.00	6.84	20.46	736	0.54	9.23	-611.9
1	1028	0.625	1.25	0.125	6.00	6.90	20.57	715	0.41	6.03	-677.9
1	1033	0.625	1.875	0.125	6.01	6.92	20.60	711	0.37	7.51	-689.5
1	1038	0.625	2.5	0.125	6.01	6.92	20.63	712	0.35	6.18	-700.0
1	1043	0.625	3.125	0.125	6.01	6.91	20.66	716	0.34	6.05	-713.9
1											
1											
1											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Bagh / Arcea Group	SAMPLER(S) SIGNATURES: CB	SAMPLING INITIATED AT: 1046	SAMPLING ENDED AT: 1055
PUMP OR TUBING DEPTH IN WELL (feet): 15	SAMPLE PUMP FLOW RATE (L per minute): 0.125	TUBING MATERIAL CODE: HDPE / PTFE Teflon lined LDPE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)
~~1~~	~~250 ml~~	~~HNO3~~ CS 11/04/15	~~6010 (total metals Pb & Cr)~~
2	1000ml	—	8270 (SVOC)

REMARKS: ORP would not stabilize

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Turbidity:	<10 NTU or ± 10%	ORP:	± 10 mV
Temp.:	± 0.5°	Dissolved Oxygen:	± 0.3 mg/L
pH:	± 0.1 units		
Specific Conductance:	± 3%		
Drawdown:	0.33 ft or less		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland - Hercules		SITE LOCATION: Savannah, GA
WELL NO: MW - F15	SAMPLE ID: MW-F15 (110415)	DATE: 11/04/15

PURGING DATA

WELL DIAMETER (inches): 2 inches	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 4.68	PURGE PUMP TYPE OR BAILER: Peristaltic ~~Bladder Pump~~ CS 11/4/15

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= liters + (0.0197 liters/foot X 15 feet) + 0.01 liters = 0.55 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (Liters):
15	15	1153	1213	0.625

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
1	1158	0.625	0.625	0.125	4.80	6.70	18.22	1145	0.51	8.33	-344.1
1	1203	0.625	1.25	0.125	4.80	6.70	18.21	1141	0.52	8.94	-348.7
1	1208	0.625	1.875	0.125	4.80	6.70	18.24	1138	0.54	7.27	-351.6
1	1213	0.625	2.5	0.125	4.80	6.71	18.22	1135	0.51	7.83	-352.4
1											
1											
1											
1											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Bagley / Antea Group	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1215	SAMPLING ENDED AT: 1225
PUMP OR TUBING DEPTH IN WELL (feet): 15	SAMPLE PUMP FLOW RATE (L per minute): 0.125	TUBING MATERIAL CODE: HDPE / PTFE Teflon Lined LDPE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	CS 11/4/15
3	40 ml	HCL	8260 ~~(VOC)~~ Benzene
~~1~~	~~250 ml~~	~~HNO3~~	~~6010 (total metals Pb & Cr)~~
~~2~~	~~1000ml~~	~~---~~	~~8270 (SVOC)~~
1	1000ml	None	600-R-93-116

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Turbidity:	<10 NTU or ± 10%	ORP:	± 10 mV
Temp.:	± 0.5°	Dissolved Oxygen:	± 0.2 mg/L
pH:	± 0.1 units		
Specific Conductance:	± 3%		
Drawdown:	0.33 ft or less		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland - Hercules	SITE LOCATION: Savannah, GA	
WELL NO: MW-F21	SAMPLE ID: MW-F21 (110415)	DATE: 11/04/15

PURGING DATA

WELL DIAMETER (inches): 2 inches	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 6.10	PURGE PUMP TYPE OR BAILER: Peristaltic ~~Dedicated Bladder Pump~~ CB 11/4/15

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= liters + (0.0097 liters/foot X 15 feet) + 0.4 liters = 0.55 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15	PURGING INITIATED AT: 1332	PURGING ENDED AT: 1402	TOTAL VOLUME PURGED (Liters): 3.75

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
1	1337	0.625	0.625	0.125	6.50	5.84	21.75	735	0.79	5.62	-192.9
1	1342	0.625	1.25	0.125	6.60	5.85	21.80	708	0.65	7.12	-183.6
1	1347	0.625	1.875	0.125	6.65	5.86	21.77	696	0.55	7.59	-156.6
1	1352	0.625	2.5	0.125	6.67	5.86	21.82	686	0.54	6.38	-128.0
1	1357	0.625	3.125	0.125	6.70	5.85	21.77	684	0.45	6.44	-107.2
1	1402	0.625	3.75	0.125	6.72	5.86	21.76	675	0.42	7.23	-88.9
1											
1											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Bayly / Antea Group	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1405	SAMPLING ENDED AT: 1415
PUMP OR TUBING DEPTH IN WELL (feet): 15	SAMPLE PUMP FLOW RATE (L per minute): 0.125	TUBING MATERIAL CODE: HDPE / PTFE Teflon lined HDPE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)
~~1~~	~~250 ml~~	~~HNO3~~ CB 11/4/15	~~6010 (total metals Pb & Cr)~~
2	1000ml	----	8270 (SVOC)

REMARKS: ORP will not stabilize Drawdown exceeded 0.33ft

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Turbidity:	<10 NTU or ± 10%	ORP:	± 10 mV
Temp.:	± 0.5°	Dissolved Oxygen:	± 0.2 mg/L
pH:	± 0.1 units		
Specific Conductance:	± 3%		
Drawdown:	0.33 ft or less		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland - Hercules	SITE LOCATION: Savannah, GA	
WELL NO: MW-27	SAMPLE ID: MW-27 (110415)	DATE: 11/04/15

PURGING DATA

WELL DIAMETER (inches): 2in	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 1.98	PURGE PUMP TYPE OR BAILER: Peristaltic ~~Dedicated Bladder Pump~~ CB 11/4/15

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)

= 0 liters + (0.0097 liters/foot X 15 feet) + 0.4 liters = 0.55 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): CB 11/4/15 ~~20~~ 15	FINAL PUMP OR TUBING DEPTH IN WELL (feet): CB 11/4/15 ~~20~~ 15	PURGING INITIATED AT: 0808	PURGING ENDED AT:	TOTAL VOLUME PURGED (Liters):

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or mS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
1	0813	0.625	0.625	0.125	2.02	5.06	20.22	231	1.63	13.8	-23.0
1	0818	0.625	1.25	0.125	2.03	4.92	20.32	231	1.46	10.2	-12.2
1	0823	0.625	1.875	0.125	2.03	4.86	20.39	230	1.27	8.93	-15.2
1	0828	0.625	2.5	0.125	2.03	4.80	20.39	229	1.05	7.10	-13.3
1	0833	0.625	3.125	0.125	2.03	4.78	20.47	229	0.94	4.04	-17.3
1	0838	0.625	3.75	0.125	2.03	4.78	20.46	229	0.92	6.77	-14.9
1											
1											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Pugh / Arcadis Groups	SAMPLER(S) SIGNATURES: CS	SAMPLING INITIATED AT: 0843	SAMPLING ENDED AT: 0852
PUMP OR TUBING DEPTH IN WELL (feet): CB 11/4/15 ~~20~~ 15	SAMPLE PUMP FLOW RATE (L per minute): 0.125	TUBING MATERIAL CODE: HDPE / PTFE Teflon Lined LDPE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)
~~1~~	~~250 ml~~	~~HNO3~~ CB 11/4/15	~~6010 (total metals Pb & Cr)~~
2	1000ml	---	8270 (SVOC)

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Turbidity:	<10 NTU or ± 10%	ORP:	± 10 mV
Temp.:	± 0.5°	Dissolved Oxygen:	± 0.2 mg/L
pH:	± 0.1 units		
Specific Conductance:	± 3%		
Drawdown:	0.33 ft or less		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland - Hercules		SITE LOCATION: Savannah, GA	
WELL NO: MW-29	SAMPLE ID: MW-29 (11031 5)		DATE: 11/03/15

PURGING DATA

WELL DIAMETER (inches): 2 inches	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 4.90	PURGE PUMP TYPE OR BAILER: Peristaltic ~~Dedicated Bladder Pump~~ CB 11/3/15

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0.1 liters + (0.167 liters/foot X 15 feet) + 0.4 liters = 0.65 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1628	PURGING ENDED AT: 1650	TOTAL VOLUME PURGED (Liters): 2.75

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
1	1635	0.875	0.875	0.125	5.05	4.97	20.45	274	0.68	8.23	61.1
1	1640	0.625	1.5	0.125	5.07	4.82	20.28	277	0.50	7.21	48.9
1	1645	0.625	2.125	0.125	5.07	4.72	20.27	285	0.44	3.84	47.5
1	1650	0.625	2.75	0.125	5.07	4.71	20.22	286	0.43	5.87	46.2
1											
1											
1											
1											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Bagley / Montrose Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1655	SAMPLING ENDED AT: 1702
PUMP OR TUBING DEPTH IN WELL (feet): ~~25~~ CB 11/3/15 25	SAMPLE PUMP FLOW RATE (L per minute): 0.125	TUBING MATERIAL CODE: ~~CO/PE/LDPE~~ Teflon lined LDPE	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y N FILTER SIZE: ____ µm Filtration Equipment Type:		DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)
~~1~~	~~250 ml~~	~~HNO3~~ CB 11/3/15	~~6010 (total metals Pb & Cr)~~
2	1000ml	—	8270 (SVOC)

REMARKS:

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Turbidity:	<10 NTU or ± 10%	ORP:	± 10 mV
Temp.:	± 0.5°	Dissolved Oxygen:	± 0.2 mg/L
pH:	± 0.1 units		
Specific Conductance:	± 3%		
Drawdown:	0.33 ft or less		

GROUNDWATER SAMPLING LOG

SITE NAME: Ashland - Hercules		SITE LOCATION: Savannah, GA
WELL NO: MWD-30	SAMPLE ID: MWD-30 (110315)	DATE: 11/03/15

PURGING DATA

WELL DIAMETER (inches): 2 inch	WELL SCREEN INTERVAL DEPTH: 40 feet to 50 feet	STATIC DEPTH TO WATER (feet): 6.71	PURGE PUMP TYPE OR BAILER: Submersible Teflon Bladder ~~Dedicated Bladder Pump~~ CB 11/3/15

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= liters + (0.617 liters/foot X 40 feet) + 1.4 liters = 35 liters

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): CB 11/2/15 ~~29~~ 45	FINAL PUMP OR TUBING DEPTH IN WELL (feet): CB 11/3/15 ~~29~~ 45	PURGING INITIATED AT: 1446	PURGING ENDED AT: 1513	TOTAL VOLUME PURGED (Liters): 3.375

PUMP SETTING / PSI	TIME	VOLUME PURGED (liters)	CUMUL. VOLUME PURGED (liters)	PURGE RATE (L/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or mS/cm)	DISS. OXYGEN (mg/L)	TURBIDITY (NTUs)	OXYGEN REDUCTION POTENTIAL (mV)
1	1458	1.5	1.5	0.125	10.00	7.45	21.08	389	1.34	3.35	86.8
1	1503	0.625	~~2.125~~	0.125	10.58	7.45	21.05	399	0.77	4.82	115.9
1	1508	0.625	2.75	0.125	10.92	7.47	20.98	399	0.70	2.22	113.4
1	1513	0.625	3.375	0.125	11.15	7.46	20.93	404	0.66	2.87	120.2
1											
1											
1											
1											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Chris Bagley / AMEA Group	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1520	SAMPLING ENDED AT: 1525
PUMP OR TUBING DEPTH IN WELL (feet): CB 11/3/15 ~~29~~ 45	SAMPLE PUMP FLOW RATE (L per minute): 0.125	TUBING MATERIAL CODE: HDPE/~~PTFE~~ Teflon	
FIELD DECONTAMINATION: (Y) N	FIELD-FILTERED: Y (N) Filtration Equipment Type: FILTER SIZE: ____ µm	DUPLICATE: (Y) N	

SAMPLE CONTAINER SPECIFICATION		SAMPLE PRESERVATION	INTENDED ANALYSIS AND/OR METHOD
# CONTAINERS	VOLUME	PRESERVATIVE USED	
3	40 ml	HCL	8260 (VOC)
~~1~~	~~250 ml~~	~~HNO3~~ CB 11/03/15	~~6010 (total metals Pb & Cr)~~
2	1000ml	---	8270 (SVOC)

REMARKS: Drawdown Exceeded 3% DUP-01

NOTES: 1. STABILIZATION CRITERIA FOR THREE CONSECUTIVE WATER QUALITY READINGS

Turbidity:	<10 NTU or ± 10%	ORP:	± 10 mV
Temp.:	± 0.5°	Dissolved Oxygen:	± 0.2 mg/L
pH:	± 0.1 units		
Specific Conductance:	± 3%		
Drawdown:	0.33 ft or less		

Field Staff Name(s):

Month/Year:

Table 2
Well Inspection Log
Ashland - Hercules
3000 Louisville Road, Savannah, Georgia

Water Levels collected within one 24-hour period?
Circle one: Yes No

Well Id	Well Completion	Site Area	Well Diameter	Date	Water Level (ft bTOC)	Well ID visible (circle one)	Concrete pad intact (circle one)	Manhole locked and in good working order	Well plug or cap water-tight	Well Vault Free of Water	Corrective Action Needed	Date Corrective Action Complete	Description of Corrective Actions Needed and Other Observations
Shallow Monitoring Wells													
MW-F1	SU	Resin Areas	2	11/2/15	4.45	✓ x	✓ x	✓ x	✓ x	✓ x	yes		Need new hardge
MW-F2	--	Resin Areas	2	11/2/15	5.56	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MW-F3R	SU	Resin Areas	2	11/2/15	6.99	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MW-F5	SU	Resin Areas	2	11/2/15	6.10	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MW-F6	FM	Resin Areas	2	11/2/15	3.90	✓ x	✓ x	✓ x	✓ x	✓ x	Yes	11/3/15	labeled
MW-F7	SU	Resin Areas	2	11/2/15	5.48	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MW-F8	SU	Resin Areas	2	11/2/15	5.14	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MW-F9	--	Resin Areas	2	11/2/15	3.64	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MW-F11	FM	Resin Areas	2	11/2/15	2.00	✓ x	✓ x	✓ x	✓ x	✓ x	yes	11/3/15	labeled
MW-F12	FM	Resin Areas	2	11/2/15	2.97	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MW-F13	SU	Resin Areas	2	11/2/15	10.31	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MW-F14	SU	Resin Areas	2	11/2/15	2.40	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MW-F15	FM	Resin Areas	2	11/2/15	4.32	✓ x	✓ x	✓ x	✓ x	✓ x	yes	11/3/15	labeled
MW-F16	SU	Resin Areas	2	11/2/15	2.52	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MW-F17	SU	Resin Areas	2	11/2/15	5.72	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MW-F19	SU	Resin Areas	2	11/2/15	5.05	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MW-F21	SU	Resin Areas	2	11/2/15	6.89	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MW-22	SU	Shallow Background Well	2	11/2/15	3.10	✓ x	✓ x	✓ x	✓ x	✓ x	yes		Needs new hdge
MW-23	SU	Resin Areas	2	11/2/15	5.66	✓ x	✓ x	✓ x	✓ x	✓ x	yes		Needs new hardge
MW-24	SU	Resin Areas	2	4.69 ~~3.10~~	✓ x	✓ x	✓ x	✓ x	✓ x	✓ x	—		~~Needs new hardge~~
MW-25	SU	Shallow Background Well	2	11/2/15	5.62	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MW-26	SU	Size Tank Farm	2	11/2/15	8.57	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MW-27	FM	Resin Areas	2	11/2/15	2.34	✓ x	✓ x	✓ x	✓ x	✓ x	—		
~~MW-28~~	~~SU~~	~~Shallow Background Well~~	~~2~~								well was abandoned; confirm this here		
MW-29	SU	Resin Areas	2	11/2/15	5.09	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MW-32	SU	Shallow Background Well	2	11/2/15	3.45	✓ x	✓ x	✓ x	✓ x	✓ x	yes	11/4/15	~~Needs cap~~/replaced plug

Field Staff Name(s):

Month/Year:

Table 2
Well Inspection Log
Ashland - Hercules
3000 Louisville Road, Savannah, Georgia

Water Levels collected within one 24-hour period?
Circle one: Yes No

Well Id	Well Completion	Site Area	Well Diameter	Date	Water Level (ft bTOC)	Well ID visible (circle one)	Concrete pad intact (circle one)	Manhole locked and in good working order	Well plug or cap water-tieDhart	Well Vault Free of Water	Corrective Action Needed	Date Corrective Action Complete	Description of Corrective Actions Needed and Other Observations
Deep Monitoring Wells													
MWD-22	SU	Resin Areas	2	11/2/15	4.30	✓ x	✓ x	✓ x	✓ x	✓ x	yes		Needs lockge
MWD-23	SU	Resin Areas	2	11/2/15	7.29	✓ x	✓ x	✓ x	✓ x	✓ x	yes		Needs lockge
MWD-24	SU	Deep Background Well	2	11/2/15	4.53	✓ x	✓ x	✓ x	✓ x	✓ x	yes		Needs lockge
MWD-25	SU	Deep Background Well	2	11/2/15	6.09	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MWD-27	FM	Resin Areas	2	11/2/15	3.22	✓ x	✓ x	✓ x	✓ x	✓ x	—		
~~MWD-28~~	~~SU~~	~~Deep Background Well~~	~~2~~		~~6.84~~	~~✓ x~~	~~✓ x~~	~~✓ x~~	~~✓ x~~	~~✓ x~~			24.60
MWD-29	SU	Resin Areas	2	11/2/15	6.92	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MWD-30	SU	Resin Areas	2	11/2/15	8.34	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MWD-F1	SU	Resin Areas	2	11/2/15	30.11	✓ x	✓ x	✓ x	✓ x	✓ x	—		
MWD-F2	SU	Resin Areas	2	11/2/15	21.11 6.11	✓ x	✓ x	✓ x	✓ x	✓ x	None		
MWD-F3	SU	Resin Areas	2	11/2/15	~~6.11~~ 16.95	✓ x	✓ x	✓ x	✓ x	✓ x	—		
Temporary Wells													
Well-1	--	Size Tank Farm	--			✓ x	✓ x	✓ x	✓ x	✓ x			
Well-2	--	Size Tank Farm	--			✓ x	✓ x	✓ x	✓ x	✓ x			
Well-3	--	Size Tank Farm	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-5	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-6	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-7	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-10	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-11	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-12	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-13	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-14	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-15	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-16	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			
TMW-17	--	50s Tank and Hard Resin Area	--			✓ x	✓ x	✓ x	✓ x	✓ x			

APPENDIX C

Laboratory Analytical Reports

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: 680-118627-1
Client Project/Site: Hercules Savannah

For:
ARCADIS U.S., Inc.
2410 Paces Ferry Road
Suite 400
Atlanta, Georgia 30339

Attn: Chris Miller

Kathryn Smith

Authorized for release by:
11/23/2015 2:28:25 PM

Kathryn Smith, Project Manager II
(912)354-7858
kathy.smith@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.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.

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Qualifiers

GC/MS VOA

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.

GC/MS Semi VOA

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.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

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
1668C	Chlorinated Biphenyl Congeners (HRGC/HRMS)	EPA	TAL SAC
None	Total PCB Calculation from HRMS PCB-Congeners	TAL SOP	TAL SAC
Asbestos	EPA 100.2 Asbestos in Drinking Water	NONE	EMSL

Protocol References:

EPA = US Environmental Protection Agency
NONE = NONE
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:

EMSL = EMSL Analytical, Inc., 200 Rt 130 North, Cinnaminson, NJ 08077
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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-118627-1	MWD-30 (110315)	Water	11/03/15 15:20	11/04/15 16:10
680-118627-2	MW-29 (110315)	Water	11/03/15 16:55	11/04/15 16:10
680-118627-3	MW-27 (110415)	Water	11/04/15 08:43	11/04/15 16:10
680-118627-4	MW-F7 (110415)	Water	11/04/15 09:45	11/04/15 16:10
680-118627-5	MW-F5 (110415)	Water	11/04/15 10:46	11/04/15 16:10
680-118627-6	MW-F15 (110415)	Water	11/04/15 12:15	11/04/15 16:10
680-118627-7	MW-F3R (110415)	Water	11/04/15 12:59	11/04/15 16:10
680-118627-8	MW-F21 (110415)	Water	11/04/15 14:05	11/04/15 16:10
680-118627-9	TRIP BLANK	Water	11/03/15 14:30	11/04/15 16:10
680-118627-10	DUP-01	Water	11/03/15 00:00	11/04/15 16:10
680-118627-11	MW-F15	Water	11/04/15 12:15	11/04/15 16:10

Job ID: 680-118627-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: ARCADIS U.S., Inc.
Project: Hercules Savannah

Report Number: 680-118627-1

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 11/04/2015; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.8º C and 1.2º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples MWD-30 (110315) (680-118627-1), MW-29 (110315) (680-118627-2), MW-27 (110415) (680-118627-3), MW-F7 (110415) (680-118627-4), MW-F5 (110415) (680-118627-5), MW-F15 (110415) (680-118627-6), MW-F21 (110415) (680-118627-8), TRIP BLANK (680-118627-9) and DUP-01 (680-118627-10) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/06/2015 and 11/10/2015.

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 MWD-30 (110315) (680-118627-1), MW-29 (110315) (680-118627-2), MW-27 (110415) (680-118627-3), MW-F7 (110415) (680-118627-4), MW-F5 (110415) (680-118627-5) and MW-F21 (110415) (680-118627-8) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW-846 Method 8270D. The samples were prepared on 11/10/2015 and 11/11/2015 and analyzed on 11/17/2015, 11/19/2015 and 11/20/2015.

The continuing calibration verification (CCV) analyzed in batch 680-410533 was outside the method criteria for the following analyte(s): Bis(2-chloroethyl)ether and n-nitrosodimethylamine. 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.

Sample MW-F21 (110415) (680-118627-8)[5X] 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.

PESTICIDES AND PCBS
Sample MW-F3R (110415) (680-118627-7) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 11/11/2015 and analyzed on 11/12/2015.

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.

CHLORINATED BIPHENYL CONGENERS
Sample MW-F3R (110415) (680-118627-7) was analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were prepared on 11/10/2015 and analyzed on 11/13/2015.

PCB-110/115, PCB-183, PCB-209, PCB-44/47/65 and PCB-51 were detected in method blank MB 320-91836/1-A at levels that were above

Job ID: 680-118627-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

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 MW-F3R (110415) (680-118627-7) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 1668. The samples were analyzed on 11/16/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MWD-30 (110315)

Lab Sample ID: 680-118627-1

Date Collected: 11/03/15 15:20
Date Received: 11/04/15 16:10

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			11/10/15 16:35	1
Acetonitrile	20	U	40	20	ug/L			11/10/15 16:35	1
Acrolein	8.7	U	20	8.7	ug/L			11/10/15 16:35	1
Benzene	0.43	U	1.0	0.43	ug/L			11/10/15 16:35	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/10/15 16:35	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/10/15 16:35	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/10/15 16:35	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/10/15 16:35	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/10/15 16:35	1
Isobutyl alcohol	20	U	50	20	ug/L			11/10/15 16:35	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/10/15 16:35	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/10/15 16:35	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/10/15 16:35	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/10/15 16:35	1
Styrene	0.27	U	1.0	0.27	ug/L			11/10/15 16:35	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			11/10/15 16:35	1
Toluene	0.48	U	1.0	0.48	ug/L			11/10/15 16:35	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/10/15 16:35	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/10/15 16:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/10/15 16:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*11/10/15 16:35*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*11/10/15 16:35*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*11/10/15 16:35*	*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		11/10/15 16:11	11/19/15 01:54	1
Acenaphthylene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Acetophenone	0.32	U	1.1	0.32	ug/L		11/10/15 16:11	11/19/15 01:54	1
Aniline	1.0	U	2.1	1.0	ug/L		11/10/15 16:11	11/19/15 01:54	1
Anthracene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Benzo[a]anthracene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Benzo[a]pyrene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Benzo[b]fluoranthene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Benzo[g,h,i]perylene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Benzo[k]fluoranthene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
1,1'-Biphenyl	0.11	U	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Bis(2-chloroethyl)ether	0.11	U	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Bis(2-ethylhexyl) phthalate	2.1	U	5.4	2.1	ug/L		11/10/15 16:11	11/19/15 01:54	1
Butyl benzyl phthalate	0.13	U	1.1	0.13	ug/L		11/10/15 16:11	11/19/15 01:54	1
Chrysene	0.048	U	0.21	0.048	ug/L		11/10/15 16:11	11/19/15 01:54	1
Dibenz(a,h)anthracene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Dibenzofuran	**0.17**	**J**	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
2,4-Dimethylphenol	0.74	U	2.1	0.74	ug/L		11/10/15 16:11	11/19/15 01:54	1
1,3-Dinitrobenzene	0.11	U	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Di-n-octyl phthalate	0.18	U	1.1	0.18	ug/L		11/10/15 16:11	11/19/15 01:54	1
1,4-Dioxane	0.33	U	2.1	0.33	ug/L		11/10/15 16:11	11/19/15 01:54	1
Ethyl Parathion	0.11	U	2.1	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MWD-30 (110315)

Lab Sample ID: 680-118627-1

Date Collected: 11/03/15 15:20

Matrix: Water

Date Received: 11/04/15 16:10

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Fluorene	**0.15**	**J**	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
2-Methylphenol	0.79	U	2.1	0.79	ug/L		11/10/15 16:11	11/19/15 01:54	1
3 & 4 Methylphenol	0.71	U	2.1	0.71	ug/L		11/10/15 16:11	11/19/15 01:54	1
Naphthalene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
N-Nitrosodi-n-butylamine	0.11	U	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
N-Nitrosomethylethylamine	0.11	U	2.1	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Phenanthrene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1
Phenol	0.14	U	1.1	0.14	ug/L		11/10/15 16:11	11/19/15 01:54	1
Pyrene	0.11	U	0.21	0.11	ug/L		11/10/15 16:11	11/19/15 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*48 - 123*	*11/10/15 16:11*	*11/19/15 01:54*	*1*
2-Fluorobiphenyl (Surr)	*75*		*43 - 105*	*11/10/15 16:11*	*11/19/15 01:54*	*1*
2-Fluorophenol (Surr)	*57*		*32 - 100*	*11/10/15 16:11*	*11/19/15 01:54*	*1*
Terphenyl-d14 (Surr)	*85*		*20 - 112*	*11/10/15 16:11*	*11/19/15 01:54*	*1*
Phenol-d5 (Surr)	*57*		*34 - 101*	*11/10/15 16:11*	*11/19/15 01:54*	*1*
Nitrobenzene-d5 (Surr)	*78*		*43 - 107*	*11/10/15 16:11*	*11/19/15 01:54*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-29 (110315)

Lab Sample ID: 680-118627-2

Date Collected: 11/03/15 16:55
Matrix: Water
Date Received: 11/04/15 16:10

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			11/10/15 16:57	1
Acetonitrile	20	U	40	20	ug/L			11/10/15 16:57	1
Acrolein	8.7	U	20	8.7	ug/L			11/10/15 16:57	1
Benzene	0.43	U	1.0	0.43	ug/L			11/10/15 16:57	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/10/15 16:57	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/10/15 16:57	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/10/15 16:57	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/10/15 16:57	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/10/15 16:57	1
Isobutyl alcohol	20	U	50	20	ug/L			11/10/15 16:57	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/10/15 16:57	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/10/15 16:57	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/10/15 16:57	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/10/15 16:57	1
Styrene	0.27	U	1.0	0.27	ug/L			11/10/15 16:57	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			11/10/15 16:57	1
Toluene	0.48	U	1.0	0.48	ug/L			11/10/15 16:57	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/10/15 16:57	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/10/15 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/10/15 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*11/10/15 16:57*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*11/10/15 16:57*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*11/10/15 16:57*	*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	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Acenaphthylene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Acetophenone	0.33	U	1.1	0.33	ug/L		11/10/15 16:11	11/19/15 02:23	1
Aniline	1.1	U	2.2	1.1	ug/L		11/10/15 16:11	11/19/15 02:23	1
Anthracene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Benzo[a]anthracene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Benzo[a]pyrene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Benzo[b]fluoranthene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Benzo[g,h,i]perylene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Benzo[k]fluoranthene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
1,1'-Biphenyl	0.11	U	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Bis(2-chloroethyl)ether	0.11	U	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Bis(2-ethylhexyl) phthalate	**2.2**	**J**	5.4	2.2	ug/L		11/10/15 16:11	11/19/15 02:23	1
Butyl benzyl phthalate	0.13	U	1.1	0.13	ug/L		11/10/15 16:11	11/19/15 02:23	1
Chrysene	0.049	U	0.22	0.049	ug/L		11/10/15 16:11	11/19/15 02:23	1
Dibenz(a,h)anthracene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Dibenzofuran	0.11	U	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
2,4-Dimethylphenol	0.75	U	2.2	0.75	ug/L		11/10/15 16:11	11/19/15 02:23	1
1,3-Dinitrobenzene	0.11	U	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Di-n-octyl phthalate	0.18	U	1.1	0.18	ug/L		11/10/15 16:11	11/19/15 02:23	1
1,4-Dioxane	0.34	U	2.2	0.34	ug/L		11/10/15 16:11	11/19/15 02:23	1
Ethyl Parathion	0.11	U	2.2	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-29 (110315)

Lab Sample ID: 680-118627-2

Date Collected: 11/03/15 16:55

Matrix: Water

Date Received: 11/04/15 16:10

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Fluorene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
2-Methylphenol	0.80	U	2.2	0.80	ug/L		11/10/15 16:11	11/19/15 02:23	1
3 & 4 Methylphenol	0.72	U	2.2	0.72	ug/L		11/10/15 16:11	11/19/15 02:23	1
Naphthalene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
N-Nitrosodi-n-butylamine	0.11	U	1.1	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
N-Nitrosomethylethylamine	0.11	U	2.2	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Phenanthrene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1
Phenol	0.14	U	1.1	0.14	ug/L		11/10/15 16:11	11/19/15 02:23	1
Pyrene	0.11	U	0.22	0.11	ug/L		11/10/15 16:11	11/19/15 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*48 - 123*	*11/10/15 16:11*	*11/19/15 02:23*	*1*
2-Fluorobiphenyl (Surr)	*75*		*43 - 105*	*11/10/15 16:11*	*11/19/15 02:23*	*1*
2-Fluorophenol (Surr)	*51*		*32 - 100*	*11/10/15 16:11*	*11/19/15 02:23*	*1*
Terphenyl-d14 (Surr)	*87*		*20 - 112*	*11/10/15 16:11*	*11/19/15 02:23*	*1*
Phenol-d5 (Surr)	*49*		*34 - 101*	*11/10/15 16:11*	*11/19/15 02:23*	*1*
Nitrobenzene-d5 (Surr)	*74*		*43 - 107*	*11/10/15 16:11*	*11/19/15 02:23*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-27 (110415)

Lab Sample ID: 680-118627-3

Date Collected: 11/04/15 08:43
Matrix: Water
Date Received: 11/04/15 16:10

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			11/10/15 17:20	1
Acetonitrile	20	U	40	20	ug/L			11/10/15 17:20	1
Acrolein	8.7	U	20	8.7	ug/L			11/10/15 17:20	1
Benzene	0.43	U	1.0	0.43	ug/L			11/10/15 17:20	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/10/15 17:20	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/10/15 17:20	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/10/15 17:20	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/10/15 17:20	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/10/15 17:20	1
Isobutyl alcohol	20	U	50	20	ug/L			11/10/15 17:20	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/10/15 17:20	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/10/15 17:20	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/10/15 17:20	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/10/15 17:20	1
Styrene	0.27	U	1.0	0.27	ug/L			11/10/15 17:20	1
Tetrachloroethene	**1.5**		1.0	0.74	ug/L			11/10/15 17:20	1
Toluene	0.48	U	1.0	0.48	ug/L			11/10/15 17:20	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/10/15 17:20	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/10/15 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*11/10/15 17:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*11/10/15 17:20*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*11/10/15 17:20*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*11/10/15 17:20*	*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		11/11/15 16:27	11/17/15 01:42	1
Acenaphthylene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Acetophenone	0.32	U	1.1	0.32	ug/L		11/11/15 16:27	11/17/15 01:42	1
Aniline	1.0	U	2.1	1.0	ug/L		11/11/15 16:27	11/17/15 01:42	1
Anthracene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Benzo[a]anthracene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Benzo[a]pyrene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Benzo[b]fluoranthene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Benzo[g,h,i]perylene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Benzo[k]fluoranthene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
1,1'-Biphenyl	0.11	U	1.1	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Bis(2-chloroethyl)ether	0.11	U	1.1	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Bis(2-ethylhexyl) phthalate	2.1	U	5.3	2.1	ug/L		11/11/15 16:27	11/17/15 01:42	1
Butyl benzyl phthalate	0.13	U	1.1	0.13	ug/L		11/11/15 16:27	11/17/15 01:42	1
Chrysene	0.048	U	0.21	0.048	ug/L		11/11/15 16:27	11/17/15 01:42	1
Dibenz(a,h)anthracene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Dibenzofuran	0.11	U	1.1	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
2,4-Dimethylphenol	0.73	U	2.1	0.73	ug/L		11/11/15 16:27	11/17/15 01:42	1
1,3-Dinitrobenzene	0.11	U	1.1	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Di-n-octyl phthalate	0.18	U	1.1	0.18	ug/L		11/11/15 16:27	11/17/15 01:42	1
1,4-Dioxane	0.33	U	2.1	0.33	ug/L		11/11/15 16:27	11/17/15 01:42	1
Ethyl Parathion	0.11	U	2.1	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1

Client Sample ID: MW-27 (110415)

Lab Sample ID: 680-118627-3

Date Collected: 11/04/15 08:43

Matrix: Water

Date Received: 11/04/15 16:10

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Fluorene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Indeno[1,2,3-cd]pyrene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
2-Methylphenol	0.78	U	2.1	0.78	ug/L		11/11/15 16:27	11/17/15 01:42	1
3 & 4 Methylphenol	0.70	U	2.1	0.70	ug/L		11/11/15 16:27	11/17/15 01:42	1
Naphthalene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
N-Nitrosodi-n-butylamine	0.11	U	1.1	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
N-Nitrosomethylethylamine	0.11	U	2.1	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Phenanthrene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1
Phenol	0.14	U	1.1	0.14	ug/L		11/11/15 16:27	11/17/15 01:42	1
Pyrene	0.11	U	0.21	0.11	ug/L		11/11/15 16:27	11/17/15 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*78*		*48 - 123*	*11/11/15 16:27*	*11/17/15 01:42*	*1*
2-Fluorobiphenyl (Surr)	*74*		*43 - 105*	*11/11/15 16:27*	*11/17/15 01:42*	*1*
2-Fluorophenol (Surr)	*55*		*32 - 100*	*11/11/15 16:27*	*11/17/15 01:42*	*1*
Terphenyl-d14 (Surr)	*91*		*20 - 112*	*11/11/15 16:27*	*11/17/15 01:42*	*1*
Phenol-d5 (Surr)	*57*		*34 - 101*	*11/11/15 16:27*	*11/17/15 01:42*	*1*
Nitrobenzene-d5 (Surr)	*79*		*43 - 107*	*11/11/15 16:27*	*11/17/15 01:42*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-F7 (110415)

Lab Sample ID: 680-118627-4

Date Collected: 11/04/15 09:45
Matrix: Water
Date Received: 11/04/15 16:10

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			11/10/15 17:42	1
Acetonitrile	20	U	40	20	ug/L			11/10/15 17:42	1
Acrolein	8.7	U	20	8.7	ug/L			11/10/15 17:42	1
Benzene	0.43	U	1.0	0.43	ug/L			11/10/15 17:42	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/10/15 17:42	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/10/15 17:42	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/10/15 17:42	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/10/15 17:42	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/10/15 17:42	1
Isobutyl alcohol	20	U	50	20	ug/L			11/10/15 17:42	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/10/15 17:42	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/10/15 17:42	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/10/15 17:42	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/10/15 17:42	1
Styrene	0.27	U	1.0	0.27	ug/L			11/10/15 17:42	1
Tetrachloroethene	**2.9**		1.0	0.74	ug/L			11/10/15 17:42	1
Toluene	0.48	U	1.0	0.48	ug/L			11/10/15 17:42	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/10/15 17:42	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/10/15 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/10/15 17:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*11/10/15 17:42*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*11/10/15 17:42*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*11/10/15 17:42*	*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		11/11/15 16:27	11/17/15 02:11	1
Acenaphthylene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Acetophenone	0.31	U	1.0	0.31	ug/L		11/11/15 16:27	11/17/15 02:11	1
Aniline	1.0	U	2.1	1.0	ug/L		11/11/15 16:27	11/17/15 02:11	1
Anthracene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Benzo[a]anthracene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Benzo[a]pyrene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Benzo[b]fluoranthene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Benzo[g,h,i]perylene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Benzo[k]fluoranthene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Bis(2-ethylhexyl) phthalate	2.1	U	5.2	2.1	ug/L		11/11/15 16:27	11/17/15 02:11	1
Butyl benzyl phthalate	0.12	U	1.0	0.12	ug/L		11/11/15 16:27	11/17/15 02:11	1
Chrysene	0.047	U	0.21	0.047	ug/L		11/11/15 16:27	11/17/15 02:11	1
Dibenz(a,h)anthracene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Dibenzofuran	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
2,4-Dimethylphenol	0.71	U	2.1	0.71	ug/L		11/11/15 16:27	11/17/15 02:11	1
1,3-Dinitrobenzene	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Di-n-octyl phthalate	0.18	U	1.0	0.18	ug/L		11/11/15 16:27	11/17/15 02:11	1
1,4-Dioxane	0.32	U	2.1	0.32	ug/L		11/11/15 16:27	11/17/15 02:11	1
Ethyl Parathion	0.10	U	2.1	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1

Client Sample ID: MW-F7 (110415)

Lab Sample ID: 680-118627-4

Date Collected: 11/04/15 09:45

Matrix: Water

Date Received: 11/04/15 16:10

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Fluorene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Indeno[1,2,3-cd]pyrene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
2-Methylphenol	0.76	U	2.1	0.76	ug/L		11/11/15 16:27	11/17/15 02:11	1
3 & 4 Methylphenol	0.68	U	2.1	0.68	ug/L		11/11/15 16:27	11/17/15 02:11	1
Naphthalene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
N-Nitrosodi-n-butylamine	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
N-Nitrosomethylethylamine	0.10	U	2.1	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Phenanthrene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1
Phenol	0.13	U	1.0	0.13	ug/L		11/11/15 16:27	11/17/15 02:11	1
Pyrene	0.10	U	0.21	0.10	ug/L		11/11/15 16:27	11/17/15 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*48 - 123*	*11/11/15 16:27*	*11/17/15 02:11*	*1*
2-Fluorobiphenyl (Surr)	*75*		*43 - 105*	*11/11/15 16:27*	*11/17/15 02:11*	*1*
2-Fluorophenol (Surr)	*51*		*32 - 100*	*11/11/15 16:27*	*11/17/15 02:11*	*1*
Terphenyl-d14 (Surr)	*85*		*20 - 112*	*11/11/15 16:27*	*11/17/15 02:11*	*1*
Phenol-d5 (Surr)	*56*		*34 - 101*	*11/11/15 16:27*	*11/17/15 02:11*	*1*
Nitrobenzene-d5 (Surr)	*71*		*43 - 107*	*11/11/15 16:27*	*11/17/15 02:11*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-F5 (110415)

Lab Sample ID: 680-118627-5

Date Collected: 11/04/15 10:46
Matrix: Water
Date Received: 11/04/15 16:10

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			11/10/15 18:05	1
Acetonitrile	20	U	40	20	ug/L			11/10/15 18:05	1
Acrolein	8.7	U	20	8.7	ug/L			11/10/15 18:05	1
Benzene	0.43	U	1.0	0.43	ug/L			11/10/15 18:05	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/10/15 18:05	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/10/15 18:05	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/10/15 18:05	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/10/15 18:05	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/10/15 18:05	1
Isobutyl alcohol	20	U	50	20	ug/L			11/10/15 18:05	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/10/15 18:05	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/10/15 18:05	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/10/15 18:05	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/10/15 18:05	1
Styrene	0.27	U	1.0	0.27	ug/L			11/10/15 18:05	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			11/10/15 18:05	1
Toluene	0.48	U	1.0	0.48	ug/L			11/10/15 18:05	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/10/15 18:05	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/10/15 18:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/10/15 18:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*11/10/15 18:05*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*11/10/15 18:05*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*11/10/15 18:05*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**16**		0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Acenaphthylene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Acetophenone	0.30	U	0.99	0.30	ug/L		11/11/15 16:27	11/17/15 02:39	1
Aniline	0.96	U	2.0	0.96	ug/L		11/11/15 16:27	11/17/15 02:39	1
Anthracene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Benzo[a]anthracene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Benzo[a]pyrene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Benzo[b]fluoranthene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Benzo[g,h,i]perylene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Benzo[k]fluoranthene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
1,1'-Biphenyl	0.099	U	0.99	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Bis(2-chloroethyl)ether	0.099	U	0.99	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Bis(2-ethylhexyl) phthalate	2.0	U	5.0	2.0	ug/L		11/11/15 16:27	11/17/15 02:39	1
Butyl benzyl phthalate	0.12	U	0.99	0.12	ug/L		11/11/15 16:27	11/17/15 02:39	1
Chrysene	0.045	U	0.20	0.045	ug/L		11/11/15 16:27	11/17/15 02:39	1
Dibenz(a,h)anthracene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Dibenzofuran	0.099	U	0.99	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
2,4-Dimethylphenol	0.68	U	2.0	0.68	ug/L		11/11/15 16:27	11/17/15 02:39	1
1,3-Dinitrobenzene	0.099	U	0.99	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Di-n-octyl phthalate	0.17	U	0.99	0.17	ug/L		11/11/15 16:27	11/17/15 02:39	1
1,4-Dioxane	0.31	U	2.0	0.31	ug/L		11/11/15 16:27	11/17/15 02:39	1
Ethyl Parathion	0.099	U	2.0	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1

Client Sample ID: MW-F5 (110415)

Lab Sample ID: 680-118627-5

Date Collected: 11/04/15 10:46

Matrix: Water

Date Received: 11/04/15 16:10

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Fluorene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Indeno[1,2,3-cd]pyrene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
2-Methylphenol	0.73	U	2.0	0.73	ug/L		11/11/15 16:27	11/17/15 02:39	1
3 & 4 Methylphenol	0.66	U	2.0	0.66	ug/L		11/11/15 16:27	11/17/15 02:39	1
Naphthalene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
N-Nitrosodi-n-butylamine	0.099	U	0.99	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
N-Nitrosomethylethylamine	0.099	U	2.0	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Phenanthrene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1
Phenol	0.13	U	0.99	0.13	ug/L		11/11/15 16:27	11/17/15 02:39	1
Pyrene	0.099	U	0.20	0.099	ug/L		11/11/15 16:27	11/17/15 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*70*		*48 - 123*	*11/11/15 16:27*	*11/17/15 02:39*	*1*
2-Fluorobiphenyl (Surr)	*72*		*43 - 105*	*11/11/15 16:27*	*11/17/15 02:39*	*1*
2-Fluorophenol (Surr)	*54*		*32 - 100*	*11/11/15 16:27*	*11/17/15 02:39*	*1*
Terphenyl-d14 (Surr)	*75*		*20 - 112*	*11/11/15 16:27*	*11/17/15 02:39*	*1*
Phenol-d5 (Surr)	*57*		*34 - 101*	*11/11/15 16:27*	*11/17/15 02:39*	*1*
Nitrobenzene-d5 (Surr)	*76*		*43 - 107*	*11/11/15 16:27*	*11/17/15 02:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-F15 (110415)

Lab Sample ID: 680-118627-6

Date Collected: 11/04/15 12:15
Matrix: Water
Date Received: 11/04/15 16:10

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			11/10/15 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/10/15 18:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*11/10/15 18:28*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*11/10/15 18:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*		*11/10/15 18:28*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-F3R (110415)

Lab Sample ID: 680-118627-7

Date Collected: 11/04/15 12:59
Matrix: Water
Date Received: 11/04/15 16:10

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0073	U	0.052	0.0073	ug/L		11/11/15 16:27	11/12/15 18:47	1
Endrin	0.0055	U	0.052	0.0055	ug/L		11/11/15 16:27	11/12/15 18:47	1
Endrin aldehyde	0.0064	U	0.052	0.0064	ug/L		11/11/15 16:27	11/12/15 18:47	1
Methoxychlor	0.010	U	0.052	0.010	ug/L		11/11/15 16:27	11/12/15 18:47	1
PCB-1254	0.11	U	1.0	0.11	ug/L		11/11/15 16:27	11/12/15 18:47	1
PCB-1260	0.13	U	1.0	0.13	ug/L		11/11/15 16:27	11/12/15 18:47	1
2,4'-DDT	0.017	U	0.10	0.017	ug/L		11/11/15 16:27	11/12/15 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*18*		*14 - 130*	*11/11/15 16:27*	*11/12/15 18:47*	*1*
Tetrachloro-m-xylene	*57*		*40 - 130*	*11/11/15 16:27*	*11/12/15 18:47*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**8.8**	**J**	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-2	1.3	U	210	1.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-3	1.3	U	210	1.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-4	18	U	210	18	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-5	19	U	210	19	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-6	19	U	210	19	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-7	18	U	210	18	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-8	17	U	210	17	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-9	21	U	210	21	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-10	13	U	210	13	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-11	19	U	210	19	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-12/13	19	U	430	19	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-14	17	U	210	17	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-15	23	U	210	23	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-16	5.7	U	210	5.7	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-17	4.8	U	210	4.8	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-18/30	4.2	U	430	4.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-19	5.2	U	210	5.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-20/28	4.2	U	430	4.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-21/33	3.7	U	430	3.7	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-22	4.4	U	210	4.4	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-23	3.8	U	210	3.8	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-24	3.8	U	210	3.8	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-25	3.8	U	210	3.8	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-26/29	4.1	U	430	4.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-27	3.8	U	210	3.8	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-31	3.8	U	210	3.8	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-32	3.4	U	210	3.4	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-34	4.3	U	210	4.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-35	4.4	U	210	4.4	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-36	4.1	U	210	4.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-37	5.3	U	210	5.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-38	4.4	U	210	4.4	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-39	4.0	U	210	4.0	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-40/71	0.94	U	430	0.94	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-41	1.1	U	210	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1

Client Sample ID: MW-F3R (110415)

Lab Sample ID: 680-118627-7

Date Collected: 11/04/15 12:59

Matrix: Water

Date Received: 11/04/15 16:10

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-42	0.93	U	210	0.93	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-43	1.1	U	210	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-44/47/65	**9.2**	**J B**	640	0.93	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-45	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-46	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-48	0.95	U	210	0.95	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-49/69	0.82	U	430	0.82	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-50/53	1.0	U	430	1.0	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-51	0.95	U	210	0.95	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-52	**2.9**	**J**	210	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-54	1.6	U	210	1.6	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-55	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-56	1.5	U	210	1.5	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-57	1.4	U	210	1.4	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-58	1.3	U	210	1.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-59/62/75	0.73	U	640	0.73	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-60	1.3	U	210	1.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-61/70/74/76	1.3	U	850	1.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-63	1.3	U	210	1.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-64	0.65	U	210	0.65	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-66	1.5	U	210	1.5	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-67	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-68	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-72	1.3	U	210	1.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-73	0.79	U	210	0.79	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-77	2.0	U	21	2.0	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-78	1.5	U	210	1.5	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-79	1.4	U	210	1.4	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-80	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-81	1.8	U	21	1.8	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-82	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-83	1.4	U	210	1.4	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-84	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-85/116/117	0.91	U	640	0.91	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-86/87/97/108/119/125	0.93	U	1300	0.93	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-88/91	1.1	U	430	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-89	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-90/101/113	**3.6**	**J**	640	0.93	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-92	1.1	U	210	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-93/100	1.1	U	430	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-107/124	0.85	U	430	0.85	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-94	1.1	U	210	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-95	**2.8**	**J**	210	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-96	0.57	U	210	0.57	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-98/102	0.98	U	430	0.98	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-99	**1.5**	**J**	210	1.0	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-103	1.0	U	210	1.0	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-104	0.40	U	210	0.40	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-105	1.1	U	21	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1

Client Sample ID: MW-F3R (110415)

Lab Sample ID: 680-118627-7

Date Collected: 11/04/15 12:59

Matrix: Water

Date Received: 11/04/15 16:10

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-106	0.89	U	210	0.89	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-110/115	**4.3**	**J B**	430	0.80	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-109	0.85	U	210	0.85	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-111	0.75	U	210	0.75	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-112	0.74	U	210	0.74	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-114	0.98	U	21	0.98	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-118	**3.3**	**J**	21	0.93	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-120	0.81	U	210	0.81	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-121	0.79	U	210	0.79	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-122	0.95	U	210	0.95	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-123	0.94	U	21	0.94	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-126	1.3	U	21	1.3	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-127	0.98	U	210	0.98	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-128/166	0.84	U	430	0.84	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-129/138/163	**2.5**	**J**	640	0.84	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-130	1.0	U	210	1.0	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-131	0.98	U	210	0.98	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-132	0.91	U	210	0.91	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-133	0.90	U	210	0.90	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-134/143	0.93	U	430	0.93	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-135/151	0.87	U	430	0.87	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-136	0.65	U	210	0.65	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-137	0.91	U	210	0.91	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-139/140	0.82	U	430	0.82	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-141	0.86	U	210	0.86	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-142	0.88	U	210	0.88	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-144	0.83	U	210	0.83	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-145	0.61	U	210	0.61	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-146	0.88	U	210	0.88	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-147/149	**2.6**	**J**	430	0.84	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-148	0.82	U	210	0.82	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-150	0.57	U	210	0.57	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-152	0.62	U	210	0.62	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-153/168	**2.1**	**J**	430	0.71	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-154	0.74	U	210	0.74	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-155	0.47	U	210	0.47	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-156/157	1.1	U	43	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-158	0.66	U	210	0.66	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-159	0.75	U	210	0.75	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-160	0.79	U	210	0.79	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-161	0.65	U	210	0.65	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-162	0.69	U	210	0.69	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-164	0.67	U	210	0.67	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-165	0.76	U	210	0.76	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-167	0.78	U	21	0.78	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-169	1.0	U	21	1.0	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-170	0.74	U	210	0.74	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-171/173	0.64	U	430	0.64	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-172	0.66	U	210	0.66	pg/L		11/10/15 09:01	11/13/15 20:42	1

Client Sample ID: MW-F3R (110415)

Lab Sample ID: 680-118627-7

Date Collected: 11/04/15 12:59

Matrix: Water

Date Received: 11/04/15 16:10

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-174	0.62	U	210	0.62	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-175	1.1	U	210	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-176	0.74	U	210	0.74	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-177	0.64	U	210	0.64	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-178	1.1	U	210	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-179	0.81	U	210	0.81	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-180/193	**1.3**	**J**	430	0.55	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-181	0.57	U	210	0.57	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-182	0.99	U	210	0.99	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-183	0.50	U	210	0.50	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-184	0.81	U	210	0.81	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-185	0.57	U	210	0.57	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-186	0.78	U	210	0.78	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-187	1.0	U	210	1.0	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-188	0.82	U	210	0.82	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-189	1.1	U	21	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-190	0.53	U	210	0.53	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-191	0.50	U	210	0.50	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-192	0.52	U	210	0.52	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-194	1.2	U	210	1.2	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-195	1.1	U	210	1.1	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-196	0.97	U	210	0.97	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-197	0.61	U	210	0.61	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-198/199	0.98	U	430	0.98	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-200	0.62	U	210	0.62	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-201	0.60	U	210	0.60	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-202	0.68	U	210	0.68	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-203	0.92	U	210	0.92	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-204	0.63	U	210	0.63	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-205	0.92	U	210	0.92	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-206	0.96	U	210	0.96	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-207	0.66	U	210	0.66	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-208	0.82	U	210	0.82	pg/L		11/10/15 09:01	11/13/15 20:42	1
PCB-209	0.77	U	210	0.77	pg/L		11/10/15 09:01	11/13/15 20:42	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*85*		*5 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-3L	*97*		*5 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-4L	*91*		*5 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-15L	*106*		*5 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-19L	*95*		*5 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-37L	*136*		*5 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-54L	*109*		*5 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-77L	*115*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-81L	*119*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-104L	*117*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-105L	*109*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-114L	*113*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-118L	*115*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-123L	*109*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*

Client Sample ID: MW-F3R (110415)

Lab Sample ID: 680-118627-7

Date Collected: 11/04/15 12:59

Matrix: Water

Date Received: 11/04/15 16:10

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-126L	*117*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-155L	*101*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-156L/157L	*113*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-167L	*109*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-169L	*128*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-188L	*95*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-189L	*114*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-202L	*91*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-205L	*112*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-206L	*107*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-208L	*95*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-209L	*103*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*110*		*5 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-111L	*99*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*
PCB-178L	*80*		*10 - 145*	*11/10/15 09:01*	*11/13/15 20:42*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**45**	**J**	200	20	pg/L			11/16/15 16:19	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-F21 (110415)

Lab Sample ID: 680-118627-8

Date Collected: 11/04/15 14:05
Matrix: Water
Date Received: 11/04/15 16:10

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			11/10/15 18:50	1
Acetonitrile	20	U	40	20	ug/L			11/10/15 18:50	1
Acrolein	8.7	U	20	8.7	ug/L			11/10/15 18:50	1
Benzene	**3.1**		1.0	0.43	ug/L			11/10/15 18:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/10/15 18:50	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/10/15 18:50	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/10/15 18:50	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/10/15 18:50	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/10/15 18:50	1
Isobutyl alcohol	20	U	50	20	ug/L			11/10/15 18:50	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/10/15 18:50	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/10/15 18:50	1
m-Xylene & p-Xylene	**0.53**	**J**	1.0	0.35	ug/L			11/10/15 18:50	1
o-Xylene	**0.38**	**J**	1.0	0.23	ug/L			11/10/15 18:50	1
Styrene	0.27	U	1.0	0.27	ug/L			11/10/15 18:50	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			11/10/15 18:50	1
Toluene	0.48	U	1.0	0.48	ug/L			11/10/15 18:50	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/10/15 18:50	1
Xylenes, Total	**0.91**	**J**	1.0	0.23	ug/L			11/10/15 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*70 - 130*		*11/10/15 18:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 130*		*11/10/15 18:50*	*1*
Dibromofluoromethane (Surr)	*88*		*70 - 130*		*11/10/15 18:50*	*1*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*		*11/10/15 18:50*	*1*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**3.4**		1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Acenaphthylene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Acetophenone	1.7	U	5.6	1.7	ug/L		11/11/15 16:27	11/20/15 03:57	5
Aniline	5.4	U	11	5.4	ug/L		11/11/15 16:27	11/20/15 03:57	5
Anthracene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Benzo[a]anthracene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Benzo[a]pyrene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Benzo[b]fluoranthene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Benzo[g,h,i]perylene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Benzo[k]fluoranthene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
1,1'-Biphenyl	0.56	U	5.6	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Bis(2-chloroethyl)ether	0.56	U	5.6	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Bis(2-ethylhexyl) phthalate	11	U	28	11	ug/L		11/11/15 16:27	11/20/15 03:57	5
Butyl benzyl phthalate	0.67	U	5.6	0.67	ug/L		11/11/15 16:27	11/20/15 03:57	5
Chrysene	0.25	U	1.1	0.25	ug/L		11/11/15 16:27	11/20/15 03:57	5
Dibenz(a,h)anthracene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Dibenzofuran	0.56	U	5.6	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
2,4-Dimethylphenol	3.8	U	11	3.8	ug/L		11/11/15 16:27	11/20/15 03:57	5
1,3-Dinitrobenzene	0.56	U	5.6	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Di-n-octyl phthalate	0.94	U	5.6	0.94	ug/L		11/11/15 16:27	11/20/15 03:57	5
1,4-Dioxane	**14**		11	1.7	ug/L		11/11/15 16:27	11/20/15 03:57	5
Ethyl Parathion	0.56	U	11	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-F21 (110415)

Lab Sample ID: 680-118627-8

Date Collected: 11/04/15 14:05

Matrix: Water

Date Received: 11/04/15 16:10

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Fluorene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Indeno[1,2,3-cd]pyrene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
2-Methylphenol	4.1	U	11	4.1	ug/L		11/11/15 16:27	11/20/15 03:57	5
3 & 4 Methylphenol	3.7	U	11	3.7	ug/L		11/11/15 16:27	11/20/15 03:57	5
Naphthalene	**38**		1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
N-Nitrosodi-n-butylamine	0.56	U	5.6	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
N-Nitrosomethylethylamine	0.56	U	11	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Phenanthrene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5
Phenol	**3.6**	**J**	5.6	0.72	ug/L		11/11/15 16:27	11/20/15 03:57	5
Pyrene	0.56	U	1.1	0.56	ug/L		11/11/15 16:27	11/20/15 03:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*91*		*48 - 123*	*11/11/15 16:27*	*11/20/15 03:57*	*5*
2-Fluorobiphenyl (Surr)	*89*		*43 - 105*	*11/11/15 16:27*	*11/20/15 03:57*	*5*
2-Fluorophenol (Surr)	*80*		*32 - 100*	*11/11/15 16:27*	*11/20/15 03:57*	*5*
Terphenyl-d14 (Surr)	*81*		*20 - 112*	*11/11/15 16:27*	*11/20/15 03:57*	*5*
Phenol-d5 (Surr)	*77*		*34 - 101*	*11/11/15 16:27*	*11/20/15 03:57*	*5*
Nitrobenzene-d5 (Surr)	*99*		*43 - 107*	*11/11/15 16:27*	*11/20/15 03:57*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-118627-9

Date Collected: 11/03/15 14:30
Matrix: Water
Date Received: 11/04/15 16:10

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			11/06/15 11:50	1
Acetonitrile	20	U	40	20	ug/L			11/06/15 11:50	1
Acrolein	8.7	U	20	8.7	ug/L			11/06/15 11:50	1
Benzene	0.43	U	1.0	0.43	ug/L			11/06/15 11:50	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/06/15 11:50	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/06/15 11:50	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/06/15 11:50	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/06/15 11:50	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/06/15 11:50	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/06/15 11:50	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/06/15 11:50	1
Isobutyl alcohol	20	U	50	20	ug/L			11/06/15 11:50	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/06/15 11:50	1
Styrene	0.27	U	1.0	0.27	ug/L			11/06/15 11:50	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			11/06/15 11:50	1
Toluene	0.48	U	1.0	0.48	ug/L			11/06/15 11:50	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/06/15 11:50	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/06/15 11:50	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/06/15 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*70 - 130*		*11/06/15 11:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*11/06/15 11:50*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*11/06/15 11:50*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*11/06/15 11:50*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: DUP-01

Date Collected: 11/03/15 00:00
Date Received: 11/04/15 16:10

Lab Sample ID: 680-118627-10

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			11/10/15 19:13	1
Acetonitrile	20	U	40	20	ug/L			11/10/15 19:13	1
Acrolein	8.7	U	20	8.7	ug/L			11/10/15 19:13	1
Benzene	0.43	U	1.0	0.43	ug/L			11/10/15 19:13	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/10/15 19:13	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/10/15 19:13	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/10/15 19:13	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/10/15 19:13	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/10/15 19:13	1
Isobutyl alcohol	20	U	50	20	ug/L			11/10/15 19:13	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/10/15 19:13	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/10/15 19:13	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/10/15 19:13	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/10/15 19:13	1
Styrene	0.27	U	1.0	0.27	ug/L			11/10/15 19:13	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			11/10/15 19:13	1
Toluene	0.48	U	1.0	0.48	ug/L			11/10/15 19:13	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/10/15 19:13	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/10/15 19:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/10/15 19:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*11/10/15 19:13*	*1*
Dibromofluoromethane (Surr)	*90*		*70 - 130*		*11/10/15 19:13*	*1*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*		*11/10/15 19:13*	*1*

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB-1L	PCB-3L	PCB-4L	PCB-15L	PCB-19L	PCB-37L	PCB-54L	PCB-77L
Lab Sample ID	Client Sample ID	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(5-145)	(10-145)
680-118627-7	MW-F3R (110415)	85	97	91	106	95	136	109	115
MB 320-91836/1-A	Method Blank	80	89	83	91	76	106	97	106

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB-81L	PCB-104L	PCB-105L	PCB-114L	PCB-118L	PCB-123L	PCB-126L	PCB-155L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-118627-7	MW-F3R (110415)	119	117	109	113	115	109	117	101
MB 320-91836/1-A	Method Blank	104	110	104	105	109	103	108	99

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		B-156L/15	PCB-167L	PCB-169L	PCB-188L	PCB-189L	PCB-202L	PCB-205L	PCB-206L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)	(10-145)
680-118627-7	MW-F3R (110415)	113	109	128	95	114	91	112	107
MB 320-91836/1-A	Method Blank	107	105	118	91	110	90	110	108

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PCB-208L	PCB-209L
Lab Sample ID	Client Sample ID	(10-145)	(10-145)
680-118627-7	MW-F3R (110415)	95	103
MB 320-91836/1-A	Method Blank	94	106

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: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB-1L	PCB-3L	PCB-4L	PCB-15L	PCB-19L	PCB-37L	PCB-54L	PCB-77L
Lab Sample ID	**Client Sample ID**	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(40-145)
LCS 320-91836/2-A	Lab Control Sample	76	86	79	93	78	110	95	109

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB-81L	PCB-104L	PCB-105L	PCB-114L	PCB-118L	PCB-123L	PCB-126L	PCB-155L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-91836/2-A	Lab Control Sample	106	111	107	107	111	106	112	103

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		B-156L/15	PCB-167L	PCB-169L	PCB-188L	PCB-189L	PCB-202L	PCB-205L	PCB-206L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-91836/2-A	Lab Control Sample	113	111	126	92	114	92	113	110

		Percent Isotope Dilution Recovery (Acceptance Limits)	
		PCB-208L	PCB-209L
Lab Sample ID	**Client Sample ID**	(40-145)	(40-145)
LCS 320-91836/2-A	Lab Control Sample	98	106

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: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-409242/9
Matrix: Water
Analysis Batch: 409242

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			11/06/15 10:48	1
Acetonitrile	20	U	40	20	ug/L			11/06/15 10:48	1
Acrolein	8.7	U	20	8.7	ug/L			11/06/15 10:48	1
Benzene	0.43	U	1.0	0.43	ug/L			11/06/15 10:48	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/06/15 10:48	1
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/06/15 10:48	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/06/15 10:48	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/06/15 10:48	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/06/15 10:48	1
Isobutyl alcohol	20	U	50	20	ug/L			11/06/15 10:48	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/06/15 10:48	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/06/15 10:48	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/06/15 10:48	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/06/15 10:48	1
Styrene	0.27	U	1.0	0.27	ug/L			11/06/15 10:48	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			11/06/15 10:48	1
Toluene	0.48	U	1.0	0.48	ug/L			11/06/15 10:48	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/06/15 10:48	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/06/15 10:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*11/06/15 10:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*11/06/15 10:48*	*1*
Dibromofluoromethane (Surr)	*98*		*70 - 130*		*11/06/15 10:48*	*1*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*11/06/15 10:48*	*1*

Lab Sample ID: LCS 680-409242/4
Matrix: Water
Analysis Batch: 409242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	260		ug/L		104	60 - 154
Acrolein	1000	651		ug/L		65	10 - 200
Benzene	50.0	47.8		ug/L		96	73 - 131
Carbon disulfide	50.0	52.9		ug/L		106	73 - 127
Chlorobenzene	50.0	50.5		ug/L		101	80 - 120
1,2-Dichloropropane	50.0	46.7		ug/L		93	80 - 123
Ethylbenzene	50.0	54.9		ug/L		110	80 - 120
Ethyl methacrylate	50.0	45.9		ug/L		92	75 - 138
Isobutyl alcohol	1250	1030		ug/L		82	61 - 151
Methyl ethyl ketone (MEK)	250	222		ug/L		89	75 - 133
4-Methyl-2-pentanone (MIBK)	250	250		ug/L		100	75 - 135
m-Xylene & p-Xylene	50.0	56.8		ug/L		114	80 - 120
o-Xylene	50.0	58.7		ug/L		117	80 - 120
Styrene	50.0	60.9		ug/L		122	80 - 122
Tetrachloroethene	50.0	48.1		ug/L		96	77 - 123
Toluene	50.0	52.0		ug/L		104	80 - 122
trans-1,4-Dichloro-2-butene	50.0	54.9		ug/L		110	55 - 147

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-409242/4
Matrix: Water
Analysis Batch: 409242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Xylenes, Total	100	116		ug/L		116	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*

Lab Sample ID: LCSD 680-409242/5
Matrix: Water
Analysis Batch: 409242

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	266		ug/L		107	60 - 154	3	40
Acrolein	1000	672		ug/L		67	10 - 200	3	50
Benzene	50.0	47.9		ug/L		96	73 - 131	0	30
Carbon disulfide	50.0	53.4		ug/L		107	73 - 127	1	20
Chlorobenzene	50.0	49.0		ug/L		98	80 - 120	3	20
1,2-Dichloropropane	50.0	46.8		ug/L		94	80 - 123	0	20
Ethylbenzene	50.0	52.5		ug/L		105	80 - 120	4	20
Ethyl methacrylate	50.0	46.6		ug/L		93	75 - 138	1	30
Isobutyl alcohol	1250	1070		ug/L		85	61 - 151	4	40
Methyl ethyl ketone (MEK)	250	202		ug/L		81	75 - 133	10	30
4-Methyl-2-pentanone (MIBK)	250	255		ug/L		102	75 - 135	2	30
m-Xylene & p-Xylene	50.0	55.2		ug/L		110	80 - 120	3	20
o-Xylene	50.0	55.6		ug/L		111	80 - 120	5	20
Styrene	50.0	57.5		ug/L		115	80 - 122	6	20
Tetrachloroethene	50.0	50.0		ug/L		100	77 - 123	4	20
Toluene	50.0	52.3		ug/L		105	80 - 122	1	20
trans-1,4-Dichloro-2-butene	50.0	52.6		ug/L		105	55 - 147	4	40
Xylenes, Total	100	111		ug/L		111	80 - 120	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 680-409661/9
Matrix: Water
Analysis Batch: 409661

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			11/10/15 11:41	1
Acetonitrile	20	U	40	20	ug/L			11/10/15 11:41	1
Acrolein	8.7	U	20	8.7	ug/L			11/10/15 11:41	1
Benzene	0.43	U	1.0	0.43	ug/L			11/10/15 11:41	1
Carbon disulfide	1.0	U	2.0	1.0	ug/L			11/10/15 11:41	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-409661/9
Matrix: Water
Analysis Batch: 409661

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.26	U	1.0	0.26	ug/L			11/10/15 11:41	1
1,2-Dichloropropane	0.67	U	1.0	0.67	ug/L			11/10/15 11:41	1
Ethylbenzene	0.33	U	1.0	0.33	ug/L			11/10/15 11:41	1
Ethyl methacrylate	0.40	U	1.0	0.40	ug/L			11/10/15 11:41	1
Isobutyl alcohol	20	U	50	20	ug/L			11/10/15 11:41	1
Methyl ethyl ketone (MEK)	3.4	U	10	3.4	ug/L			11/10/15 11:41	1
4-Methyl-2-pentanone (MIBK)	2.1	U	10	2.1	ug/L			11/10/15 11:41	1
m-Xylene & p-Xylene	0.35	U	1.0	0.35	ug/L			11/10/15 11:41	1
o-Xylene	0.23	U	1.0	0.23	ug/L			11/10/15 11:41	1
Styrene	0.27	U	1.0	0.27	ug/L			11/10/15 11:41	1
Tetrachloroethene	0.74	U	1.0	0.74	ug/L			11/10/15 11:41	1
Toluene	0.48	U	1.0	0.48	ug/L			11/10/15 11:41	1
trans-1,4-Dichloro-2-butene	0.51	U	2.0	0.51	ug/L			11/10/15 11:41	1
Xylenes, Total	0.23	U	1.0	0.23	ug/L			11/10/15 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*11/10/15 11:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*70 - 130*		*11/10/15 11:41*	*1*
Dibromofluoromethane (Surr)	*92*		*70 - 130*		*11/10/15 11:41*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*11/10/15 11:41*	*1*

Lab Sample ID: LCS 680-409661/4
Matrix: Water
Analysis Batch: 409661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	220		ug/L		88	60 - 154
Acrolein	1000	957		ug/L		96	10 - 200
Benzene	50.0	50.7		ug/L		101	73 - 131
Carbon disulfide	50.0	54.5		ug/L		109	73 - 127
Chlorobenzene	50.0	45.4		ug/L		91	80 - 120
1,2-Dichloropropane	50.0	50.4		ug/L		101	80 - 123
Ethylbenzene	50.0	47.8		ug/L		96	80 - 120
Ethyl methacrylate	50.0	46.5		ug/L		93	75 - 138
Isobutyl alcohol	1250	946		ug/L		76	61 - 151
Methyl ethyl ketone (MEK)	250	233		ug/L		93	75 - 133
4-Methyl-2-pentanone (MIBK)	250	224		ug/L		90	75 - 135
m-Xylene & p-Xylene	50.0	47.7		ug/L		95	80 - 120
o-Xylene	50.0	47.6		ug/L		95	80 - 120
Styrene	50.0	47.9		ug/L		96	80 - 122
Tetrachloroethene	50.0	48.8		ug/L		98	77 - 123
Toluene	50.0	49.8		ug/L		100	80 - 122
trans-1,4-Dichloro-2-butene	50.0	48.6		ug/L		97	55 - 147
Xylenes, Total	100	95.3		ug/L		95	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-409661/4
Matrix: Water
Analysis Batch: 409661

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*100*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 680-409661/5
Matrix: Water
Analysis Batch: 409661

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	205		ug/L		82	60 - 154	7	40
Acrolein	1000	1030		ug/L		103	10 - 200	7	50
Benzene	50.0	49.9		ug/L		100	73 - 131	2	30
Carbon disulfide	50.0	49.7		ug/L		99	73 - 127	9	20
Chlorobenzene	50.0	44.9		ug/L		90	80 - 120	1	20
1,2-Dichloropropane	50.0	49.2		ug/L		98	80 - 123	3	20
Ethylbenzene	50.0	47.5		ug/L		95	80 - 120	1	20
Ethyl methacrylate	50.0	46.7		ug/L		93	75 - 138	0	30
Isobutyl alcohol	1250	1030		ug/L		82	61 - 151	9	40
Methyl ethyl ketone (MEK)	250	226		ug/L		91	75 - 133	3	30
4-Methyl-2-pentanone (MIBK)	250	225		ug/L		90	75 - 135	0	30
m-Xylene & p-Xylene	50.0	47.5		ug/L		95	80 - 120	0	20
o-Xylene	50.0	47.5		ug/L		95	80 - 120	0	20
Styrene	50.0	48.2		ug/L		96	80 - 122	1	20
Tetrachloroethene	50.0	48.6		ug/L		97	77 - 123	0	20
Toluene	50.0	49.3		ug/L		99	80 - 122	1	20
trans-1,4-Dichloro-2-butene	50.0	47.3		ug/L		95	55 - 147	3	40
Xylenes, Total	100	95.0		ug/L		95	80 - 120	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*99*		*70 - 130*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-409685/7-A
Matrix: Water
Analysis Batch: 411009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 409685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Acenaphthylene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Acetophenone	0.30	U	1.0	0.30	ug/L		11/10/15 16:11	11/19/15 02:10	1
Aniline	0.97	U	2.0	0.97	ug/L		11/10/15 16:11	11/19/15 02:10	1
Anthracene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Benzo[a]anthracene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 680-409685/7-A
Matrix: Water
Analysis Batch: 411009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 409685

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Benzo[b]fluoranthene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Benzo[g,h,i]perylene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Benzo[k]fluoranthene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Bis(2-ethylhexyl) phthalate	2.0	U	5.0	2.0	ug/L		11/10/15 16:11	11/19/15 02:10	1
Butyl benzyl phthalate	0.12	U	1.0	0.12	ug/L		11/10/15 16:11	11/19/15 02:10	1
Chrysene	0.045	U	0.20	0.045	ug/L		11/10/15 16:11	11/19/15 02:10	1
Dibenz(a,h)anthracene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Dibenzofuran	0.10	U	1.0	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
2,4-Dimethylphenol	0.69	U	2.0	0.69	ug/L		11/10/15 16:11	11/19/15 02:10	1
1,3-Dinitrobenzene	0.10	U	1.0	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Di-n-octyl phthalate	0.17	U	1.0	0.17	ug/L		11/10/15 16:11	11/19/15 02:10	1
1,4-Dioxane	0.31	U	2.0	0.31	ug/L		11/10/15 16:11	11/19/15 02:10	1
Ethyl Parathion	0.10	U	2.0	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Fluoranthene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Fluorene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Indeno[1,2,3-cd]pyrene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
2-Methylphenol	0.74	U	2.0	0.74	ug/L		11/10/15 16:11	11/19/15 02:10	1
3 & 4 Methylphenol	0.66	U	2.0	0.66	ug/L		11/10/15 16:11	11/19/15 02:10	1
Naphthalene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
N-Nitrosodi-n-butylamine	0.10	U	1.0	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
N-Nitrosomethylethylamine	0.10	U	2.0	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Phenanthrene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1
Phenol	0.13	U	1.0	0.13	ug/L		11/10/15 16:11	11/19/15 02:10	1
Pyrene	0.10	U	0.20	0.10	ug/L		11/10/15 16:11	11/19/15 02:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*48 - 123*	*11/10/15 16:11*	*11/19/15 02:10*	*1*
2-Fluorobiphenyl (Surr)	*69*		*43 - 105*	*11/10/15 16:11*	*11/19/15 02:10*	*1*
2-Fluorophenol (Surr)	*67*		*32 - 100*	*11/10/15 16:11*	*11/19/15 02:10*	*1*
Terphenyl-d14 (Surr)	*80*		*20 - 112*	*11/10/15 16:11*	*11/19/15 02:10*	*1*
Phenol-d5 (Surr)	*69*		*34 - 101*	*11/10/15 16:11*	*11/19/15 02:10*	*1*
Nitrobenzene-d5 (Surr)	*76*		*43 - 107*	*11/10/15 16:11*	*11/19/15 02:10*	*1*

Lab Sample ID: LCS 680-409685/10-A
Matrix: Water
Analysis Batch: 411009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409685

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*76*		*48 - 123*
2-Fluorobiphenyl (Surr)	*66*		*43 - 105*
2-Fluorophenol (Surr)	*59*		*32 - 100*
Terphenyl-d14 (Surr)	*76*		*20 - 112*
Phenol-d5 (Surr)	*59*		*34 - 101*
Nitrobenzene-d5 (Surr)	*73*		*43 - 107*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 680-409685/8-A
Matrix: Water
Analysis Batch: 411009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409685

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	7.71		ug/L		77	45 - 101
Acenaphthylene	10.0	8.00		ug/L		80	48 - 110
Acetophenone	10.0	8.44		ug/L		84	49 - 95
Aniline	10.0	5.89		ug/L		59	10 - 130
Anthracene	10.0	8.13		ug/L		81	51 - 102
Benzo[a]anthracene	10.0	8.41		ug/L		84	49 - 112
Benzo[a]pyrene	10.0	8.76		ug/L		88	49 - 103
Benzo[b]fluoranthene	10.0	10.1		ug/L		101	46 - 113
Benzo[g,h,i]perylene	10.0	5.38		ug/L		54	44 - 118
Benzo[k]fluoranthene	10.0	9.53		ug/L		95	53 - 104
1,1'-Biphenyl	10.0	7.38		ug/L		74	10 - 130
Bis(2-chloroethyl)ether	10.0	7.32		ug/L		73	41 - 106
Bis(2-ethylhexyl) phthalate	10.0	9.36		ug/L		94	56 - 114
Butyl benzyl phthalate	10.0	9.41		ug/L		94	39 - 131
Chrysene	10.0	8.63		ug/L		86	47 - 116
Dibenz(a,h)anthracene	10.0	6.46		ug/L		65	45 - 114
Dibenzofuran	10.0	7.98		ug/L		80	51 - 109
2,4-Dimethylphenol	10.0	7.92		ug/L		79	22 - 114
1,3-Dinitrobenzene	10.0	8.67		ug/L		87	10 - 130
Di-n-octyl phthalate	10.0	10.3		ug/L		103	49 - 108
1,4-Dioxane	10.0	5.68		ug/L		57	10 - 130
Fluoranthene	10.0	8.52		ug/L		85	44 - 113
Fluorene	10.0	7.89		ug/L		79	53 - 105
Indeno[1,2,3-cd]pyrene	10.0	5.40		ug/L		54	45 - 104
2-Methylphenol	10.0	7.33		ug/L		73	55 - 103
Naphthalene	10.0	7.37		ug/L		74	35 - 88
Phenanthrene	10.0	8.04		ug/L		80	45 - 113
Phenol	10.0	6.36		ug/L		64	27 - 103
Pyrene	10.0	8.23		ug/L		82	48 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*48 - 123*
2-Fluorobiphenyl (Surr)	*70*		*43 - 105*
2-Fluorophenol (Surr)	*62*		*32 - 100*
Terphenyl-d14 (Surr)	*82*		*20 - 112*
Phenol-d5 (Surr)	*60*		*34 - 101*
Nitrobenzene-d5 (Surr)	*77*		*43 - 107*

Lab Sample ID: LCSD 680-409685/11-A
Matrix: Water
Analysis Batch: 411009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 409685

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*48 - 123*
2-Fluorobiphenyl (Surr)	*70*		*43 - 105*
2-Fluorophenol (Surr)	*61*		*32 - 100*
Terphenyl-d14 (Surr)	*78*		*20 - 112*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 680-409685/11-A
Matrix: Water
Analysis Batch: 411009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 409685

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	61		34 - 101
Nitrobenzene-d5 (Surr)	76		43 - 107

Lab Sample ID: LCSD 680-409685/9-A
Matrix: Water
Analysis Batch: 411009

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 409685

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	10.0	7.63		ug/L		76	45 - 101	1	50
Acenaphthylene	10.0	7.94		ug/L		79	48 - 110	1	50
Acetophenone	10.0	8.22		ug/L		82	49 - 95	3	50
Aniline	10.0	6.29		ug/L		63	10 - 130	7	50
Anthracene	10.0	8.02		ug/L		80	51 - 102	1	50
Benzo[a]anthracene	10.0	8.42		ug/L		84	49 - 112	0	50
Benzo[a]pyrene	10.0	8.60		ug/L		86	49 - 103	2	50
Benzo[b]fluoranthene	10.0	9.80		ug/L		98	46 - 113	3	50
Benzo[g,h,i]perylene	10.0	5.27		ug/L		53	44 - 118	2	50
Benzo[k]fluoranthene	10.0	9.24		ug/L		92	53 - 104	3	50
1,1'-Biphenyl	10.0	7.32		ug/L		73	10 - 130	1	50
Bis(2-chloroethyl)ether	10.0	7.32		ug/L		73	41 - 106	0	50
Bis(2-ethylhexyl) phthalate	10.0	9.57		ug/L		96	56 - 114	2	50
Butyl benzyl phthalate	10.0	9.62		ug/L		96	39 - 131	2	50
Chrysene	10.0	8.86		ug/L		89	47 - 116	3	50
Dibenz(a,h)anthracene	10.0	6.37		ug/L		64	45 - 114	1	50
Dibenzofuran	10.0	7.84		ug/L		78	51 - 109	2	50
2,4-Dimethylphenol	10.0	7.05		ug/L		70	22 - 114	12	50
1,3-Dinitrobenzene	10.0	8.68		ug/L		87	10 - 130	0	50
Di-n-octyl phthalate	10.0	10.5		ug/L		105	49 - 108	2	50
1,4-Dioxane	10.0	5.61		ug/L		56	10 - 130	1	50
Fluoranthene	10.0	8.37		ug/L		84	44 - 113	2	50
Fluorene	10.0	7.82		ug/L		78	53 - 105	1	50
Indeno[1,2,3-cd]pyrene	10.0	5.57		ug/L		56	45 - 104	3	50
2-Methylphenol	10.0	7.24		ug/L		72	55 - 103	1	50
Naphthalene	10.0	7.12		ug/L		71	35 - 88	3	50
Phenanthrene	10.0	7.88		ug/L		79	45 - 113	2	50
Phenol	10.0	6.04		ug/L		60	27 - 103	5	50
Pyrene	10.0	8.43		ug/L		84	48 - 112	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	80		48 - 123
2-Fluorobiphenyl (Surr)	69		43 - 105
2-Fluorophenol (Surr)	60		32 - 100
Terphenyl-d14 (Surr)	83		20 - 112
Phenol-d5 (Surr)	57		34 - 101
Nitrobenzene-d5 (Surr)	75		43 - 107

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: MB 680-409858/17-A
Matrix: Water
Analysis Batch: 410533

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 409858

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Acenaphthylene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Acetophenone	0.30	U	1.0	0.30	ug/L		11/11/15 16:27	11/16/15 20:53	1
Aniline	0.97	U	2.0	0.97	ug/L		11/11/15 16:27	11/16/15 20:53	1
Anthracene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Benzo[a]anthracene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Benzo[a]pyrene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Benzo[b]fluoranthene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Benzo[g,h,i]perylene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Benzo[k]fluoranthene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
1,1'-Biphenyl	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Bis(2-chloroethyl)ether	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Bis(2-ethylhexyl) phthalate	2.0	U	5.0	2.0	ug/L		11/11/15 16:27	11/16/15 20:53	1
Butyl benzyl phthalate	0.12	U	1.0	0.12	ug/L		11/11/15 16:27	11/16/15 20:53	1
Chrysene	0.045	U	0.20	0.045	ug/L		11/11/15 16:27	11/16/15 20:53	1
Dibenz(a,h)anthracene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Dibenzofuran	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
2,4-Dimethylphenol	0.69	U	2.0	0.69	ug/L		11/11/15 16:27	11/16/15 20:53	1
1,3-Dinitrobenzene	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Di-n-octyl phthalate	0.17	U	1.0	0.17	ug/L		11/11/15 16:27	11/16/15 20:53	1
1,4-Dioxane	0.31	U	2.0	0.31	ug/L		11/11/15 16:27	11/16/15 20:53	1
Ethyl Parathion	0.10	U	2.0	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Fluoranthene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Fluorene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Indeno[1,2,3-cd]pyrene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
2-Methylphenol	0.74	U	2.0	0.74	ug/L		11/11/15 16:27	11/16/15 20:53	1
3 & 4 Methylphenol	0.66	U	2.0	0.66	ug/L		11/11/15 16:27	11/16/15 20:53	1
Naphthalene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
N-Nitrosodi-n-butylamine	0.10	U	1.0	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
N-Nitrosomethylethylamine	0.10	U	2.0	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Phenanthrene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1
Phenol	0.13	U	1.0	0.13	ug/L		11/11/15 16:27	11/16/15 20:53	1
Pyrene	0.10	U	0.20	0.10	ug/L		11/11/15 16:27	11/16/15 20:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*48 - 123*	*11/11/15 16:27*	*11/16/15 20:53*	*1*
2-Fluorobiphenyl (Surr)	*64*		*43 - 105*	*11/11/15 16:27*	*11/16/15 20:53*	*1*
2-Fluorophenol (Surr)	*53*		*32 - 100*	*11/11/15 16:27*	*11/16/15 20:53*	*1*
Terphenyl-d14 (Surr)	*77*		*20 - 112*	*11/11/15 16:27*	*11/16/15 20:53*	*1*
Phenol-d5 (Surr)	*57*		*34 - 101*	*11/11/15 16:27*	*11/16/15 20:53*	*1*
Nitrobenzene-d5 (Surr)	*68*		*43 - 107*	*11/11/15 16:27*	*11/16/15 20:53*	*1*

Lab Sample ID: LCS 680-409858/18-A
Matrix: Water
Analysis Batch: 410533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	6.85		ug/L		69	45 - 101

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 680-409858/18-A
Matrix: Water
Analysis Batch: 410533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409858

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	10.0	6.85		ug/L		68	48 - 110
Acetophenone	10.0	7.39		ug/L		74	49 - 95
Aniline	10.0	7.75		ug/L		78	10 - 130
Anthracene	10.0	7.84		ug/L		78	51 - 102
Benzo[a]anthracene	10.0	7.50		ug/L		75	49 - 112
Benzo[a]pyrene	10.0	7.99		ug/L		80	49 - 103
Benzo[b]fluoranthene	10.0	8.39		ug/L		84	46 - 113
Benzo[g,h,i]perylene	10.0	8.84		ug/L		88	44 - 118
Benzo[k]fluoranthene	10.0	8.21		ug/L		82	53 - 104
1,1'-Biphenyl	10.0	6.48		ug/L		65	10 - 130
Bis(2-chloroethyl)ether	10.0	4.96		ug/L		50	41 - 106
Bis(2-ethylhexyl) phthalate	10.0	7.01		ug/L		70	56 - 114
Butyl benzyl phthalate	10.0	7.11		ug/L		71	39 - 131
Chrysene	10.0	6.92		ug/L		69	47 - 116
Dibenz(a,h)anthracene	10.0	9.12		ug/L		91	45 - 114
Dibenzofuran	10.0	7.12		ug/L		71	51 - 109
2,4-Dimethylphenol	10.0	6.15		ug/L		62	22 - 114
1,3-Dinitrobenzene	10.0	8.13		ug/L		81	10 - 130
Di-n-octyl phthalate	10.0	7.23		ug/L		72	49 - 108
1,4-Dioxane	10.0	5.19		ug/L		52	10 - 130
Fluoranthene	10.0	8.19		ug/L		82	44 - 113
Fluorene	10.0	7.22		ug/L		72	53 - 105
Indeno[1,2,3-cd]pyrene	10.0	6.95		ug/L		69	45 - 104
2-Methylphenol	10.0	7.12		ug/L		71	55 - 103
Naphthalene	10.0	6.45		ug/L		65	35 - 88
Phenanthrene	10.0	7.67		ug/L		77	45 - 113
Phenol	10.0	6.08		ug/L		61	27 - 103
Pyrene	10.0	6.26		ug/L		63	48 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*69*		*48 - 123*
2-Fluorobiphenyl (Surr)	*56*		*43 - 105*
2-Fluorophenol (Surr)	*54*		*32 - 100*
Terphenyl-d14 (Surr)	*64*		*20 - 112*
Phenol-d5 (Surr)	*53*		*34 - 101*
Nitrobenzene-d5 (Surr)	*67*		*43 - 107*

Lab Sample ID: LCS 680-409858/20-A
Matrix: Water
Analysis Batch: 410533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409858

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*69*		*48 - 123*
2-Fluorobiphenyl (Surr)	*66*		*43 - 105*
2-Fluorophenol (Surr)	*49*		*32 - 100*
Terphenyl-d14 (Surr)	*72*		*20 - 112*
Phenol-d5 (Surr)	*53*		*34 - 101*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCS 680-409858/20-A
Matrix: Water
Analysis Batch: 410533

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 409858

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5 (Surr)	*70*		*43 - 107*

Lab Sample ID: LCSD 680-409858/19-A
Matrix: Water
Analysis Batch: 410533

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 409858

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			10.0	7.22		ug/L		72	45 - 101	5	50
Acenaphthylene			10.0	7.35		ug/L		73	48 - 110	7	50
Acetophenone			10.0	7.74		ug/L		77	49 - 95	5	50
Aniline			10.0	7.83		ug/L		78	10 - 130	1	50
Anthracene			10.0	8.01		ug/L		80	51 - 102	2	50
Benzo[a]anthracene			10.0	7.73		ug/L		77	49 - 112	3	50
Benzo[a]pyrene			10.0	8.13		ug/L		81	49 - 103	2	50
Benzo[b]fluoranthene			10.0	8.44		ug/L		84	46 - 113	1	50
Benzo[g,h,i]perylene			10.0	8.86		ug/L		89	44 - 118	0	50
Benzo[k]fluoranthene			10.0	8.03		ug/L		80	53 - 104	2	50
1,1'-Biphenyl			10.0	7.02		ug/L		70	10 - 130	8	50
Bis(2-chloroethyl)ether			10.0	5.07		ug/L		51	41 - 106	2	50
Bis(2-ethylhexyl) phthalate			10.0	7.12		ug/L		71	56 - 114	1	50
Butyl benzyl phthalate			10.0	7.26		ug/L		73	39 - 131	2	50
Chrysene			10.0	7.43		ug/L		74	47 - 116	7	50
Dibenz(a,h)anthracene			10.0	9.09		ug/L		91	45 - 114	0	50
Dibenzofuran			10.0	7.34		ug/L		73	51 - 109	3	50
2,4-Dimethylphenol			10.0	6.85		ug/L		69	22 - 114	11	50
1,3-Dinitrobenzene			10.0	8.45		ug/L		85	10 - 130	4	50
Di-n-octyl phthalate			10.0	7.25		ug/L		73	49 - 108	0	50
1,4-Dioxane			10.0	5.45		ug/L		54	10 - 130	5	50
Fluoranthene			10.0	8.37		ug/L		84	44 - 113	2	50
Fluorene			10.0	7.40		ug/L		74	53 - 105	2	50
Indeno[1,2,3-cd]pyrene			10.0	7.15		ug/L		72	45 - 104	3	50
2-Methylphenol			10.0	7.65		ug/L		77	55 - 103	7	50
Naphthalene			10.0	6.84		ug/L		68	35 - 88	6	50
Phenanthrene			10.0	7.86		ug/L		79	45 - 113	2	50
Phenol			10.0	5.85		ug/L		59	27 - 103	4	50
Pyrene			10.0	6.59		ug/L		66	48 - 112	5	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*74*		*48 - 123*
2-Fluorobiphenyl (Surr)	*63*		*43 - 105*
2-Fluorophenol (Surr)	*55*		*32 - 100*
Terphenyl-d14 (Surr)	*66*		*20 - 112*
Phenol-d5 (Surr)	*54*		*34 - 101*
Nitrobenzene-d5 (Surr)	*70*		*43 - 107*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 680-409858/21-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 410533 — **Prep Batch: 409858**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	68		48 - 123
2-Fluorobiphenyl (Surr)	64		43 - 105
2-Fluorophenol (Surr)	46		32 - 100
Terphenyl-d14 (Surr)	73		20 - 112
Phenol-d5 (Surr)	48		34 - 101
Nitrobenzene-d5 (Surr)	68		43 - 107

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-409868/2-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 410133 — **Prep Batch: 409868**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0070	U	0.050	0.0070	ug/L		11/11/15 16:27	11/12/15 17:35	1
Endrin	0.0053	U	0.050	0.0053	ug/L		11/11/15 16:27	11/12/15 17:35	1
Endrin aldehyde	0.0061	U	0.050	0.0061	ug/L		11/11/15 16:27	11/12/15 17:35	1
Methoxychlor	0.0098	U	0.050	0.0098	ug/L		11/11/15 16:27	11/12/15 17:35	1
PCB-1254	0.11	U	1.0	0.11	ug/L		11/11/15 16:27	11/12/15 17:35	1
PCB-1260	0.12	U	1.0	0.12	ug/L		11/11/15 16:27	11/12/15 17:35	1
2,4'-DDT	0.016	U	0.10	0.016	ug/L		11/11/15 16:27	11/12/15 17:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		14 - 130	11/11/15 16:27	11/12/15 17:35	1
Tetrachloro-m-xylene	67		40 - 130	11/11/15 16:27	11/12/15 17:35	1

Lab Sample ID: LCS 680-409868/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 410133 — **Prep Batch: 409868**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDT	0.100	0.0896		ug/L		90	47 - 134
Endrin	0.100	0.0717		ug/L		72	59 - 143
Endrin aldehyde	0.100	0.0777		ug/L		78	45 - 166
Methoxychlor	0.100	0.0982		ug/L		98	52 - 136

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	66		14 - 130
Tetrachloro-m-xylene	65		40 - 130

Lab Sample ID: LCS 680-409868/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 410133 — **Prep Batch: 409868**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	6.00	5.32		ug/L		89	35 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	45		14 - 130
Tetrachloro-m-xylene	65		40 - 130

Lab Sample ID: LCSD 680-409868/4-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 410133 — **Prep Batch: 409868**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDT			0.100	0.0895		ug/L		90	47 - 134	0	40
Endrin			0.100	0.0858		ug/L		86	59 - 143	18	30
Endrin aldehyde			0.100	0.0823		ug/L		82	45 - 166	6	50
Methoxychlor			0.100	0.104		ug/L		104	52 - 136	6	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	37		14 - 130
Tetrachloro-m-xylene	62		40 - 130

Lab Sample ID: LCSD 680-409868/6-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 410133 — **Prep Batch: 409868**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260			6.00	4.94		ug/L		82	35 - 130	7	40

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	35		14 - 130
Tetrachloro-m-xylene	57		40 - 130

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-91836/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 92352 — **Prep Batch: 91836**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.97	U	200	0.97	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-2	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-3	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-4	17	U	200	17	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-5	11	U	200	11	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-6	11	U	200	11	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-7	10	U	200	10	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-8	9.6	U	200	9.6	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-9	12	U	200	12	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-10	14	U	200	14	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-11	11	U	200	11	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-12/13	11	U	400	11	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-14	9.6	U	200	9.6	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-15	14	U	200	14	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-16	2.2	U	200	2.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-17	1.8	U	200	1.8	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-18/30	1.6	U	400	1.6	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-19	1.9	U	200	1.9	pg/L		11/10/15 09:01	11/13/15 18:11	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-91836/1-A
Matrix: Water
Analysis Batch: 92352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 91836

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-20/28	1.4	U	400	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-21/33	1.2	U	400	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-22	1.4	U	200	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-23	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-24	1.4	U	200	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-25	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-26/29	1.3	U	400	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-27	1.5	U	200	1.5	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-31	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-32	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-34	1.4	U	200	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-35	1.4	U	200	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-36	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-37	1.8	U	200	1.8	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-38	1.4	U	200	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-39	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-40/71	0.74	U	400	0.74	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-41	0.91	U	200	0.91	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-42	0.74	U	200	0.74	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-43	0.83	U	200	0.83	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-44/47/65	6.06	J	600	0.74	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-45	0.95	U	200	0.95	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-46	0.93	U	200	0.93	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-48	0.75	U	200	0.75	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-49/69	0.65	U	400	0.65	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-50/53	0.80	U	400	0.80	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-51	1.44	J	200	0.75	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-52	0.84	U	200	0.84	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-54	0.55	U	200	0.55	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-55	1.0	U	200	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-56	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-57	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-58	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-59/62/75	0.58	U	600	0.58	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-60	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-61/70/74/76	1.1	U	800	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-63	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-64	0.52	U	200	0.52	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-66	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-67	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-68	1.0	U	200	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-72	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-73	0.62	U	200	0.62	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-77	1.8	U	20	1.8	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-78	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-79	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-80	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-81	1.7	U	20	1.7	pg/L		11/10/15 09:01	11/13/15 18:11	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-91836/1-A
Matrix: Water
Analysis Batch: 92352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 91836

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-82	1.4	U	200	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-83	1.6	U	200	1.6	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-84	1.4	U	200	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-85/116/117	1.0	U	600	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-86/87/97/108/119/125	1.0	U	1200	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-88/91	1.2	U	400	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-89	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-90/101/113	1.0	U	600	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-92	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-93/100	1.2	U	400	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-107/124	0.95	U	400	0.95	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-94	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-95	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-96	0.64	U	200	0.64	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-98/102	1.1	U	400	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-99	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-103	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-104	0.46	U	200	0.46	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-105	1.2	U	20	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-106	1.0	U	200	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-110/115	1.38	J	400	0.90	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-109	0.96	U	200	0.96	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-111	0.84	U	200	0.84	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-112	0.83	U	200	0.83	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-114	1.1	U	20	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-118	1.0	U	20	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-120	0.91	U	200	0.91	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-121	0.89	U	200	0.89	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-122	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-123	1.1	U	20	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-126	1.5	U	20	1.5	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-127	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-128/166	1.2	U	400	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-129/138/163	1.2	U	600	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-130	1.5	U	200	1.5	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-131	1.4	U	200	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-132	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-133	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-134/143	1.3	U	400	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-135/151	1.2	U	400	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-136	0.92	U	200	0.92	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-137	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-139/140	1.2	U	400	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-141	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-142	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-144	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-145	0.86	U	200	0.86	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-146	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-91836/1-A
Matrix: Water
Analysis Batch: 92352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 91836

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-147/149	1.2	U	400	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-148	1.2	U	200	1.2	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-150	0.81	U	200	0.81	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-152	0.87	U	200	0.87	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-153/168	1.0	U	400	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-154	1.0	U	200	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-155	0.73	U	200	0.73	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-156/157	0.97	U	40	0.97	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-158	0.93	U	200	0.93	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-159	0.70	U	200	0.70	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-160	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-161	0.92	U	200	0.92	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-162	0.65	U	200	0.65	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-164	0.95	U	200	0.95	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-165	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-167	0.69	U	20	0.69	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-169	0.93	U	20	0.93	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-170	0.79	U	200	0.79	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-171/173	0.68	U	400	0.68	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-172	0.70	U	200	0.70	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-174	0.65	U	200	0.65	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-175	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-176	0.72	U	200	0.72	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-177	0.68	U	200	0.68	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-178	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-179	0.79	U	200	0.79	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-180/193	0.59	U	400	0.59	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-181	0.61	U	200	0.61	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-182	0.96	U	200	0.96	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-183	1.33	J	200	0.54	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-184	0.79	U	200	0.79	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-185	0.61	U	200	0.61	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-186	0.76	U	200	0.76	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-187	1.0	U	200	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-188	0.79	U	200	0.79	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-189	1.1	U	20	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-190	0.56	U	200	0.56	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-191	0.53	U	200	0.53	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-192	0.55	U	200	0.55	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-194	1.4	U	200	1.4	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-195	1.3	U	200	1.3	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-196	1.0	U	200	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-197	0.66	U	200	0.66	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-198/199	1.1	U	400	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-200	0.67	U	200	0.67	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-201	0.65	U	200	0.65	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-202	0.74	U	200	0.74	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-203	0.99	U	200	0.99	pg/L		11/10/15 09:01	11/13/15 18:11	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-91836/1-A
Matrix: Water
Analysis Batch: 92352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 91836

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-204	0.68	U	200	0.68	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-205	1.1	U	200	1.1	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-206	1.0	U	200	1.0	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-207	0.72	U	200	0.72	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-208	0.90	U	200	0.90	pg/L		11/10/15 09:01	11/13/15 18:11	1
PCB-209	1.52	J	200	0.69	pg/L		11/10/15 09:01	11/13/15 18:11	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*80*		*5 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-3L	*89*		*5 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-4L	*83*		*5 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-15L	*91*		*5 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-19L	*76*		*5 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-37L	*106*		*5 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-54L	*97*		*5 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-77L	*106*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-81L	*104*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-104L	*110*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-105L	*104*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-114L	*105*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-118L	*109*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-123L	*103*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-126L	*108*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-155L	*99*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-156L/157L	*107*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-167L	*105*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-169L	*118*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-188L	*91*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-189L	*110*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-202L	*90*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-205L	*110*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-206L	*108*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-208L	*94*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-209L	*106*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*102*		*5 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-111L	*100*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*
PCB-178L	*86*		*10 - 145*	*11/10/15 09:01*	*11/13/15 18:11*	*1*

Lab Sample ID: LCS 320-91836/2-A
Matrix: Water
Analysis Batch: 92352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 91836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	2000	1940		pg/L		97	60 - 135
PCB-3	2000	1880		pg/L		94	60 - 135
PCB-4	2000	1900		pg/L		95	60 - 135

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-91836/2-A
Matrix: Water
Analysis Batch: 92352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 91836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-15	2000	1820		pg/L		91	60 - 135
PCB-19	2000	1890		pg/L		95	60 - 135
PCB-37	2000	1860		pg/L		93	60 - 135
PCB-54	2000	2030		pg/L		102	60 - 135
PCB-77	2000	1920		pg/L		96	60 - 135
PCB-81	2000	1830		pg/L		91	60 - 135
PCB-104	2000	1690		pg/L		84	60 - 135
PCB-105	2000	1880		pg/L		94	60 - 135
PCB-114	2000	1880		pg/L		94	60 - 135
PCB-118	2000	1880		pg/L		94	60 - 135
PCB-123	2000	1760		pg/L		88	60 - 135
PCB-126	2000	1830		pg/L		92	60 - 135
PCB-155	2000	1710		pg/L		85	60 - 135
PCB-156/157	4000	3620		pg/L		90	60 - 135
PCB-167	2000	1760		pg/L		88	60 - 135
PCB-169	2000	1770		pg/L		89	60 - 135
PCB-188	2000	1840		pg/L		92	60 - 135
PCB-189	2000	1870		pg/L		94	60 - 135
PCB-202	2000	1880		pg/L		94	60 - 135
PCB-205	2000	1840		pg/L		92	60 - 135
PCB-206	2000	1760		pg/L		88	60 - 135
PCB-208	2000	1800		pg/L		90	60 - 135
PCB-209	2000	1770		pg/L		89	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*76*		*15 - 145*
PCB-3L	*86*		*15 - 145*
PCB-4L	*79*		*15 - 145*
PCB-15L	*93*		*15 - 145*
PCB-19L	*78*		*15 - 145*
PCB-37L	*110*		*15 - 145*
PCB-54L	*95*		*15 - 145*
PCB-77L	*109*		*40 - 145*
PCB-81L	*106*		*40 - 145*
PCB-104L	*111*		*40 - 145*
PCB-105L	*107*		*40 - 145*
PCB-114L	*107*		*40 - 145*
PCB-118L	*111*		*40 - 145*
PCB-123L	*106*		*40 - 145*
PCB-126L	*112*		*40 - 145*
PCB-155L	*103*		*40 - 145*
PCB-156L/157L	*113*		*40 - 145*
PCB-167L	*111*		*40 - 145*
PCB-169L	*126*		*40 - 145*
PCB-188L	*92*		*40 - 145*
PCB-189L	*114*		*40 - 145*
PCB-202L	*92*		*40 - 145*
PCB-205L	*113*		*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-91836/2-A
Matrix: Water
Analysis Batch: 92352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 91836

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-206L	110		40 - 145
PCB-208L	98		40 - 145
PCB-209L	106		40 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	100		5 - 145
PCB-111L	98		10 - 145
PCB-178L	84		10 - 145

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

GC/MS VOA

Analysis Batch: 409242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-9	TRIP BLANK	Total/NA	Water	8260B	
LCS 680-409242/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-409242/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-409242/9	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 409661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-1	MWD-30 (110315)	Total/NA	Water	8260B	
680-118627-2	MW-29 (110315)	Total/NA	Water	8260B	
680-118627-3	MW-27 (110415)	Total/NA	Water	8260B	
680-118627-4	MW-F7 (110415)	Total/NA	Water	8260B	
680-118627-5	MW-F5 (110415)	Total/NA	Water	8260B	
680-118627-6	MW-F15 (110415)	Total/NA	Water	8260B	
680-118627-8	MW-F21 (110415)	Total/NA	Water	8260B	
680-118627-10	DUP-01	Total/NA	Water	8260B	
LCS 680-409661/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-409661/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-409661/9	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 409685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-1	MWD-30 (110315)	Total/NA	Water	3520C	
680-118627-2	MW-29 (110315)	Total/NA	Water	3520C	
LCS 680-409685/10-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-409685/8-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-409685/11-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-409685/9-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-409685/7-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 409858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-3	MW-27 (110415)	Total/NA	Water	3520C	
680-118627-4	MW-F7 (110415)	Total/NA	Water	3520C	
680-118627-5	MW-F5 (110415)	Total/NA	Water	3520C	
680-118627-8	MW-F21 (110415)	Total/NA	Water	3520C	
LCS 680-409858/18-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-409858/20-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-409858/19-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-409858/21-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-409858/17-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 410533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-3	MW-27 (110415)	Total/NA	Water	8270D LL	409858
680-118627-4	MW-F7 (110415)	Total/NA	Water	8270D LL	409858
680-118627-5	MW-F5 (110415)	Total/NA	Water	8270D LL	409858
LCS 680-409858/18-A	Lab Control Sample	Total/NA	Water	8270D LL	409858
LCS 680-409858/20-A	Lab Control Sample	Total/NA	Water	8270D LL	409858

GC/MS Semi VOA (Continued)

Analysis Batch: 410533 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 680-409858/19-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	409858
LCSD 680-409858/21-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	409858
MB 680-409858/17-A	Method Blank	Total/NA	Water	8270D LL	409858

Analysis Batch: 411009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-409685/10-A	Lab Control Sample	Total/NA	Water	8270D LL	409685
LCS 680-409685/8-A	Lab Control Sample	Total/NA	Water	8270D LL	409685
LCSD 680-409685/11-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	409685
LCSD 680-409685/9-A	Lab Control Sample Dup	Total/NA	Water	8270D LL	409685
MB 680-409685/7-A	Method Blank	Total/NA	Water	8270D LL	409685

Analysis Batch: 411011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-1	MWD-30 (110315)	Total/NA	Water	8270D LL	409685
680-118627-2	MW-29 (110315)	Total/NA	Water	8270D LL	409685

Analysis Batch: 411177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-8	MW-F21 (110415)	Total/NA	Water	8270D LL	409858

GC Semi VOA

Prep Batch: 409868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-7	MW-F3R (110415)	Total/NA	Water	3520C	
LCS 680-409868/3-A	Lab Control Sample	Total/NA	Water	3520C	
LCS 680-409868/5-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-409868/4-A	Lab Control Sample Dup	Total/NA	Water	3520C	
LCSD 680-409868/6-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-409868/2-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 410133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-7	MW-F3R (110415)	Total/NA	Water	8081B/8082A	409868
LCS 680-409868/3-A	Lab Control Sample	Total/NA	Water	8081B/8082A	409868
LCS 680-409868/5-A	Lab Control Sample	Total/NA	Water	8081B/8082A	409868
LCSD 680-409868/4-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	409868
LCSD 680-409868/6-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	409868
MB 680-409868/2-A	Method Blank	Total/NA	Water	8081B/8082A	409868

Specialty Organics

Prep Batch: 91836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-7	MW-F3R (110415)	Total/NA	Water	HRMS-Sep	
LCS 320-91836/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
MB 320-91836/1-A	Method Blank	Total/NA	Water	HRMS-Sep	

Specialty Organics (Continued)

Analysis Batch: 92352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-7	MW-F3R (110415)	Total/NA	Water	1668C	91836
LCS 320-91836/2-A	Lab Control Sample	Total/NA	Water	1668C	91836
MB 320-91836/1-A	Method Blank	Total/NA	Water	1668C	91836

Analysis Batch: 92600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-118627-7	MW-F3R (110415)	Total/NA	Water	None	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MWD-30 (110315)
Lab Sample ID: 680-118627-1
Date Collected: 11/03/15 15:20
Matrix: Water
Date Received: 11/04/15 16:10

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	409661	11/10/15 16:35	CEJ	TAL SAV
Total/NA	Prep	3520C			931.5 mL	1.0 mL	409685	11/10/15 16:11	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	931.5 mL	1.0 mL	411011	11/19/15 01:54	NED	TAL SAV

Client Sample ID: MW-29 (110315)
Lab Sample ID: 680-118627-2
Date Collected: 11/03/15 16:55
Matrix: Water
Date Received: 11/04/15 16:10

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	409661	11/10/15 16:57	CEJ	TAL SAV
Total/NA	Prep	3520C			920 mL	1.0 mL	409685	11/10/15 16:11	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	920 mL	1.0 mL	411011	11/19/15 02:23	NED	TAL SAV

Client Sample ID: MW-27 (110415)
Lab Sample ID: 680-118627-3
Date Collected: 11/04/15 08:43
Matrix: Water
Date Received: 11/04/15 16:10

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	409661	11/10/15 17:20	CEJ	TAL SAV
Total/NA	Prep	3520C			945.7 mL	1.0 mL	409858	11/11/15 16:27	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	945.7 mL	1.0 mL	410533	11/17/15 01:42	NED	TAL SAV

Client Sample ID: MW-F7 (110415)
Lab Sample ID: 680-118627-4
Date Collected: 11/04/15 09:45
Matrix: Water
Date Received: 11/04/15 16:10

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	409661	11/10/15 17:42	CEJ	TAL SAV
Total/NA	Prep	3520C			967.7 mL	1.0 mL	409858	11/11/15 16:27	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	967.7 mL	1.0 mL	410533	11/17/15 02:11	NED	TAL SAV

Client Sample ID: MW-F5 (110415)
Lab Sample ID: 680-118627-5
Date Collected: 11/04/15 10:46
Matrix: Water
Date Received: 11/04/15 16:10

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	409661	11/10/15 18:05	CEJ	TAL SAV
Total/NA	Prep	3520C			1007.4 mL	1.0 mL	409858	11/11/15 16:27	RBS	TAL SAV
Total/NA	Analysis	8270D LL		1	1007.4 mL	1.0 mL	410533	11/17/15 02:39	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Client Sample ID: MW-F15 (110415)

Lab Sample ID: 680-118627-6
Date Collected: 11/04/15 12:15
Matrix: Water
Date Received: 11/04/15 16:10

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	409661	11/10/15 18:28	CEJ	TAL SAV

Client Sample ID: MW-F3R (110415)

Lab Sample ID: 680-118627-7
Date Collected: 11/04/15 12:59
Matrix: Water
Date Received: 11/04/15 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			957.7 mL	10 mL	409868	11/11/15 16:27	RBS	TAL SAV
Total/NA	Analysis	8081B/8082A		1	957.7 mL	10 mL	410133	11/12/15 18:47	JCK	TAL SAV
Total/NA	Prep	HRMS-Sep			938.7 mL	20 uL	91836	11/10/15 09:01	DXD	TAL SAC
Total/NA	Analysis	1668C		1	938.7 mL	20 uL	92352	11/13/15 20:42	KSS	TAL SAC
Total/NA	Analysis	None		1			92600	11/16/15 16:19	MKW	TAL SAC

Client Sample ID: MW-F21 (110415)

Lab Sample ID: 680-118627-8
Date Collected: 11/04/15 14:05
Matrix: Water
Date Received: 11/04/15 16:10

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	409661	11/10/15 18:50	CEJ	TAL SAV
Total/NA	Prep	3520C			900.9 mL	1.0 mL	409858	11/11/15 16:27	RBS	TAL SAV
Total/NA	Analysis	8270D LL		5	900.9 mL	1.0 mL	411177	11/20/15 03:57	NED	TAL SAV

Client Sample ID: TRIP BLANK

Lab Sample ID: 680-118627-9
Date Collected: 11/03/15 14:30
Matrix: Water
Date Received: 11/04/15 16:10

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	409242	11/06/15 11:50	CEJ	TAL SAV

Client Sample ID: DUP-01

Lab Sample ID: 680-118627-10
Date Collected: 11/03/15 00:00
Matrix: Water
Date Received: 11/04/15 16:10

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	409661	11/10/15 19:13	CEJ	TAL SAV

Laboratory References:

EMSL = EMSL Analytical, Inc., 200 Rt 130 North, Cinnaminson, NJ 08077
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

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	041533144
Customer ID:	STLS77
Customer PO:	68001205
Project ID:	

Attn:	Kathy Smith TestAmerica Laboratories, Inc. 5102 LaRoche Avenue Savannah, GA 31404	Phone: Fax: Collected: Received: Analyzed:	(912) 354-7858 (912) 352-0165 11/04/2015 11/06/2015 11/19/2015
Proj:	Hercules Savannah / 68001205 / 680-409762.1 / 680-118627-1		

Test Report: Determination of Asbestos Structures > 10µm in Water Performed by the 100.2 Method (EPA 600/R-94/134)

Sample ID Client / EMSL	Sample Filtration Date/Time	Original Sample Vol. Filtered (ml)	Effective Filter Area (mm²)	Area Analyzed (mm²)	ASBESTOS				
					Asbestos Types	Fibers Detected	Analytical Sensitivity	Concentration	Confidence Limits
							MFL (million fibers per liter)		
MW-F15 (680-118627-11 041533144-0001	11/6/2015 10:30 AM	10	1354	0.2751	None Detected	ND	0.49	<0.49	0.00 - 1.80

Due to excessive particulate the analytical sensitivity of 0.2 MFL as required by the method was not reached.

Analyst(s)
Debbie Little (1)

Benjamin Ellis, Laboratory Manager
or Other Approved Signatory

Any questions please contact Benjamin Ellis.

Initial report from: 11/19/2015 23:55:17

Sample collection and containers provided by the client, acceptable bottle blank level is defined as ≤0.01MFL>10um. ND=None Detected. This report may not be reproduced, except in full, without written permission by EMSL Analytical, Inc. The test results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to the samples reported above. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NELAC NJ DEP 03036, PA ID# 68-00367

041533144

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

11/23/2015

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Smith, Kathryn E	Carrier Tracking No(s):	COC No: 680-409762.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: kathy.smith@testamericainc.com		Page: Page 1 of 1
Company: EMSL Analytical, Inc				Job #: 680-118627-1
Address: 200 Rt 130 North, ,	Due Date Requested: 11/20/2015			
City: Cinnaminson	TAT Requested (days):			
State, Zip: NJ, 08077				
Phone: 800-220-3675(Tel)	PO #:			
Email:	WO #:			
Project Name: Hercules Savannah	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)		SUB (Asbestos)/ Asbestos	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW-F15 (680-118627-11)	11/4/15	12.15 Eastern		Water			X	1	

CINNAMINSON, N.J.
2015 NOV -6 A 8:57

Page 53 of 61

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)

Special Instructions/QC Requirements: 7.8C

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 11-5-15 12:00	Company:	Received by: FX	Date/Time: 11/6/15 9:40	Company
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:

OrderID: 041533144

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Shipping Order Form

S680-69112

041533144

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Fax (912) 352-0165

11/23/2015

Shipping Order ID: 69112 **Ship Via: FedEx Std Overnight** **Due On: 11/6/2015 11:59:00PM**
Due After: 11/5/2015 12:00:00 AM

Ship To Information

Project Manager:
Company Name: *EMSL Analytical, Inc.*
Attention: *Attn: Shipping/Receiving*
Address 1: *200 Rt 130 North*
Address 2:
Address 3:
City: *City: Cinnaminson*
State: *NJ*
Zip: *08077*
Phone #: *800-220-3675*
Project Ref:

Notes to Bottle/Shipping Department

☒ Rebill Freight ☐ Labels on Coolers

Page 54 of 61

Shipping Assets

Assets	Quantity	Description	Filled

2015 NOV -6 A 9:57
CINNAMINSON, N.J.

Please notify us immediately if an error is found in shipment

OrderID: 041533144

Serial Number 101787

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Hercules Savannah	PROJECT NO	PROJECT LOCATION (STATE): GA
TAL (LAB) PROJECT MANAGER: Kathryn South	P.O NUMBER	CONTRACT NO.
CLIENT (SITE) PM: John Hanna	CLIENT PHONE: 404-952-1612	CLIENT FAX
CLIENT NAME	CLIENT E-MAIL: John.Hanna@arcadis-us.com	
CLIENT ADDRESS		
COMPANY CONTRACTING THIS WORK (if applicable): Antea Group		

PAGE 1 OF 1

STANDARD REPORT DELIVERY ●

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 2

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B-8260 HCL	8270D_LL-8270 None	8081A_8081B Include 1254 & 1266 None	1668C-1668 None	SUBCONTRACT Asbestos CO 11/6/15	8260B-8260 (Benzene) HCL					REMARKS
11/03/15	1520	MWD-30 (110315)	G	✓				3	2									
11/03/15	1655	MW-29 (110315)	G	✓				3	2									
11/04/15	0843	MW-27 (110415)	G	✓				3	2									
11/04/15	0945	MW-F7 (110415)	G	✓				3	2									
11/04/15	1046	MW-F5 (110415)	G	✓				3	2									
11/04/15	1215	MW-F15 (110415)	G	✓									3					
11/04/15	1259	MW-F3R (110415)	G	✓						2	2							
11/04/15	1405	MW-F21 (110415)	G	✓				3	2									
11/03/15	1430	Trip Blank	G	✓				2										
11/03/15	0000	DUP-01	G	✓				3										

680-118627 Chain of Custody

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	11/04/15	1410						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	11/4/15	1610	YES ○ NO ○			0.4/08 08/1.2

TAL8240-680 (1008)

Page 55 of 61

11/23/2015

Serial Number 100606

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Hercules - Savannah	PROJECT NO.	PROJECT LOCATION (STATE): GA	PAGE 1 OF 1
TAL (LAB) PROJECT MANAGER: Kathryn Smith	P.O. NUMBER	CONTRACT NO.	STANDARD REPORT DELIVERY ●
CLIENT (SITE) PM: John Hana	CLIENT PHONE: 404-952-1612	CLIENT FAX	DATE DUE
CLIENT NAME	CLIENT E-MAIL: John.Hana@arcadis-us.com		EXPEDITED REPORT DELIVERY (SURCHARGE) ○
CLIENT ADDRESS			DATE DUE
COMPANY CONTRACTING THIS WORK (if applicable): Antea Group			NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 2

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS: Subcontract Asbestos; None — PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	NUMBER OF CONTAINERS SUBMITTED	REMARKS
11/04/15	1215	MW-F15	G	✓				1	

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	11/04/15	1215						
RECEIVED BY: (SIGNATURE)	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**	**RECEIVED BY: (SIGNATURE)**	**DATE**	**TIME**

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	11/4/15	1610	YES ○ NO ○			0.4/0.8 0.8/1.2 680-118602

TAL8240-680 (1008)

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: Smith, Kathryn E	Carrier Tracking No(s)	COC No: 680-409754 1
Client Contact: Shipping/Receiving	Phone	E-Mail: kathy.smith@testamericainc.com		Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.				Job #: 680-118627-1
Address: 880 Riverside Parkway, ,	Due Date Requested: 11/20/2015			
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	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total_PCB_Cong	Total_TEQ	1668C/HRMS_Sep_P Full List (209 Comb/Coel)	Total Number of Containers	Special Instructions/Note:
			Preservation Code:								
MW-F3R (110415) (680-118627-7)	11/4/15	12:59 Eastern		Water			X	X	X		

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)	Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11-5-15 17:00	TAA	[signature]	11/6/15 1045	TAWS
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: 0.3

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-118627-1

Login Number: 118627
List Number: 1
Creator: White, Menica R

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.	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").	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: 680-118627-1

Login Number: 118627
List Number: 2
Creator: Do, David X

List Source: TestAmerica Sacramento
List Creation: 11/06/15 05:35 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	
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.	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	

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-118627-1

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-17
A2LA	ISO/IEC 17025		399.01	02-28-17
Alabama	State Program	4	41450	06-30-16
Arkansas DEQ	State Program	6	88-0692	01-31-16 *
California	State Program	9	2939	07-31-16
Colorado	State Program	8	N/A	12-31-15 *
Connecticut	State Program	1	PH-0161	03-31-17
Florida	NELAP	4	E87052	06-30-16
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	803	06-30-16
Guam	State Program	9	14-004r	04-16-16
Hawaii	State Program	9	N/A	06-30-16
Illinois	NELAP	5	200022	11-30-15 *
Indiana	State Program	5	N/A	06-30-16
Iowa	State Program	7	353	06-30-17
Kentucky (DW)	State Program	4	90084	12-31-15 *
Kentucky (UST)	State Program	4	18	06-30-16
Kentucky (WW)	State Program	4	90084	12-31-15 *
Louisiana	NELAP	6	30690	06-30-16
Louisiana (DW)	NELAP	6	LA150014	12-31-15 *
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-15 *
Massachusetts	State Program	1	M-GA006	06-30-16
Michigan	State Program	5	9925	03-05-16
Mississippi	State Program	4	N/A	06-30-15 *
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-16
New Jersey	NELAP	2	GA769	10-31-15 *
New Mexico	State Program	6	N/A	06-30-16
New York	NELAP	2	10842	03-31-16
North Carolina (DW)	State Program	4	13701	07-31-16
North Carolina (WW/SW)	State Program	4	269	12-31-15 *
Oklahoma	State Program	6	9984	08-31-16
Pennsylvania	NELAP	3	68-00474	06-30-16
Puerto Rico	State Program	2	GA00006	12-31-15 *
South Carolina	State Program	4	98001	06-30-15 *
Tennessee	State Program	4	TN02961	06-30-16
Texas	NELAP	6	T104704185-14-7	11-30-15 *
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-16
Washington	State Program	10	C805	06-10-16
West Virginia (DW)	State Program	3	9950C	12-31-15 *
West Virginia DEP	State Program	3	094	06-30-16
Wisconsin	State Program	5	999819810	08-31-16
Wyoming	State Program	8	8TMS-L	06-30-16

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

* Certification renewal pending - certification considered valid.

Laboratory: TestAmerica Sacramento (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-15
Arizona	State Program	9	AZ0708	08-11-16
Arkansas DEQ	State Program	6	88-0691	06-17-16
California	State Program	9	2897	01-31-16
Colorado	State Program	8	N/A	08-31-16
Connecticut	State Program	1	PH-0691	06-30-17
Florida	NELAP	4	E87570	06-30-16
Hawaii	State Program	9	N/A	01-29-16
Illinois	NELAP	5	200060	03-17-16
Kansas	NELAP	7	E-10375	01-31-16
Louisiana	NELAP	6	30612	06-30-16
Michigan	State Program	5	9947	01-31-16
Nevada	State Program	9	CA44	07-31-16
New Jersey	NELAP	2	CA005	06-30-16
New York	NELAP	2	11666	04-01-16
Oregon	NELAP	10	CA200005	01-29-16
Pennsylvania	NELAP	3	9947	03-31-16
Texas	NELAP	6	T104704399-15-9	05-31-16
US Fish & Wildlife	Federal		LE148388-0	02-28-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-16
Virginia	NELAP Secondary AB	3	460278	03-14-16
Washington	State Program	10	C581	05-04-16
West Virginia (DW)	State Program	3	9930C	12-31-15
Wyoming	State Program	8	8TMS-Q	01-29-16

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: 680-115546-1
Client Project/Site: Hercules Savannah

For:
ARCADIS U.S., Inc.
2410 Paces Ferry Road
Suite 400
Atlanta, Georgia 30339

Attn: Chris Miller

Kathryn Smith

Authorized for release by:
9/4/2015 1:30:44 PM

Kathryn Smith, Project Manager II
(912)354-7858
kathy.smith@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.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.

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

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.
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.
*	ISTD response or retention time outside acceptable limits
X	Surrogate is outside control limits

GC Semi VOA

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.
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.

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.
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

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
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
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.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-115546-1	SB-159 (0-2')	Solid	08/11/15 12:55	08/12/15 17:10
680-115546-2	SB-159 (2-4')	Solid	08/11/15 13:00	08/12/15 17:10
680-115546-3	SB-160 (0-2')	Solid	08/11/15 15:25	08/12/15 17:10
680-115546-4	SB-160 (2-4')	Solid	08/11/15 15:30	08/12/15 17:10
680-115546-5	SB-191 (0-2')	Solid	08/12/15 09:40	08/12/15 17:10
680-115546-6	DUP-01 (0-2')	Solid	08/12/15 00:00	08/12/15 17:10
680-115546-7	SB-195 (0-2')	Solid	08/12/15 13:10	08/12/15 17:10
680-115546-8	SB-196 (0-2')	Solid	08/12/15 14:40	08/12/15 17:10
680-115546-9	SB-197 (0-2')	Solid	08/12/15 15:35	08/12/15 17:10
680-115546-10	SB-174 (0-2')	Solid	08/12/15 15:45	08/12/15 17:10
680-115546-11	SB-180 (0-2')	Solid	08/12/15 16:10	08/12/15 17:10
680-115546-12	SB-157 (0-2')	Solid	08/11/15 12:00	08/12/15 17:10
680-115546-13	SB-157 (2-4')	Solid	08/11/15 12:05	08/12/15 17:10
680-115546-14	SB-198 (0-2')	Solid	08/11/15 15:20	08/12/15 17:10
680-115546-15	SB-166 (0-2')	Solid	08/11/15 14:25	08/12/15 17:10
680-115546-16	SB-165 (0-2')	Solid	08/11/15 14:45	08/12/15 17:10
680-115546-17	SB-164 (0-2')	Solid	08/11/15 16:40	08/12/15 17:10
680-115546-18	SB-190 (0-2')	Solid	08/12/15 09:00	08/12/15 17:10
680-115546-19	SB-189 (0-2')	Solid	08/12/15 10:05	08/12/15 17:10
680-115546-20	SB-168 (0-2')	Solid	08/12/15 10:45	08/12/15 17:10
680-115546-21	SB-192 (0-2')	Solid	08/12/15 12:30	08/12/15 17:10
680-115546-22	SB-167 (0-2')	Solid	08/12/15 13:10	08/12/15 17:10
680-115546-23	SB-187 (0-2')	Solid	08/12/15 15:15	08/12/15 17:10

Job ID: 680-115546-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: ARCADIS U.S., Inc.
Project: Hercules Savannah

Report Number: 680-115546-1

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 08/12/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 1.6º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL

Samples SB-159 (0-2') (680-115546-1), SB-159 (2-4') (680-115546-2), SB-160 (0-2') (680-115546-3), SB-160 (2-4') (680-115546-4), SB-191 (0-2') (680-115546-5), DUP-01 (0-2') (680-115546-6), SB-195 (0-2') (680-115546-7), SB-196 (0-2') (680-115546-8), SB-197 (0-2') (680-115546-9), SB-174 (0-2') (680-115546-10), SB-180 (0-2') (680-115546-11), SB-157 (0-2') (680-115546-12), SB-157 (2-4') (680-115546-13), SB-198 (0-2') (680-115546-14), SB-166 (0-2') (680-115546-15), SB-165 (0-2') (680-115546-16), SB-164 (0-2') (680-115546-17), SB-190 (0-2') (680-115546-18), SB-189 (0-2') (680-115546-19), SB-168 (0-2') (680-115546-20), SB-192 (0-2') (680-115546-21), SB-167 (0-2') (680-115546-22) and SB-187 (0-2') (680-115546-23) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW846 Method 8270D. The samples were prepared on 08/13/2015 and analyzed on 08/14/2015, 08/18/2015, 08/19/2015 and 08/20/2015.

Samples SB-159 (0-2') (680-115546-1)[10X], SB-198 (0-2') (680-115546-14)[10X], SB-166 (0-2') (680-115546-15)[10X], SB-165 (0-2') (680-115546-16)[1000X], SB-190 (0-2') (680-115546-18)[5X], SB-189 (0-2') (680-115546-19)[20X] and SB-168 (0-2') (680-115546-20)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly and surrogates were diluted out.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS

Samples SB-159 (0-2') (680-115546-1), SB-159 (2-4') (680-115546-2), SB-160 (0-2') (680-115546-3) and SB-160 (2-4') (680-115546-4) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared and analyzed on 08/13/2015.

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.

CHLORINATED BIPHENYL CONGENERS

Samples SB-159 (0-2') (680-115546-1), SB-159 (2-4') (680-115546-2), SB-160 (0-2') (680-115546-3) and SB-160 (2-4') (680-115546-4) were analyzed for chlorinated biphenyl congeners in accordance with epa method 1668C. The samples were prepared on 08/14/2015 and analyzed on 08/20/2015.

PCB-118 was detected in method blank MB 320-82923/1-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 320-82923/1-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.

Job ID: 680-115546-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

The Method Blank (MB) and following samples exhibited elevated instrument noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-159 (0-2') (680-115546-1), SB-159 (2-4') (680-115546-2), SB-160 (0-2') (680-115546-3), SB-160 (2-4') (680-115546-4) and (MB 320-82923/1-A) . 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-159 (0-2') (680-115546-1) and SB-160 (0-2') (680-115546-3). 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.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS

Samples SB-159 (0-2') (680-115546-1), SB-159 (2-4') (680-115546-2), SB-160 (0-2') (680-115546-3) and SB-160 (2-4') (680-115546-4) were analyzed for dioxins and furans in accordance with EPA Method 8290A. The samples were prepared on 08/28/2015 and analyzed on 08/31/2015 and 09/01/2015.

1,2,3,4,6,7,8-HpCDF, OCDD, Total HpCDD, Total HpCDF and Total TCDD were detected in method blank MB 320-84481/1-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-159 (2-4') (680-115546-2), SB-160 (0-2') (680-115546-3) and SB-160 (2-4') (680-115546-4) . 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-160 (0-2') (680-115546-3) and SB-160 (2-4') (680-115546-4). 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.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CHLORINATED BIPHENYL CONGENERS

Samples SB-159 (0-2') (680-115546-1), SB-159 (2-4') (680-115546-2), SB-160 (0-2') (680-115546-3) and SB-160 (2-4') (680-115546-4) were analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were analyzed on 09/03/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples SB-159 (0-2') (680-115546-1), SB-159 (2-4') (680-115546-2), SB-160 (0-2') (680-115546-3), SB-160 (2-4') (680-115546-4), SB-191 (0-2') (680-115546-5), DUP-01 (0-2') (680-115546-6), SB-195 (0-2') (680-115546-7), SB-196 (0-2') (680-115546-8), SB-197 (0-2') (680-115546-9), SB-174 (0-2') (680-115546-10), SB-180 (0-2') (680-115546-11), SB-157 (0-2') (680-115546-12), SB-157 (2-4') (680-115546-13), SB-198 (0-2') (680-115546-14), SB-166 (0-2') (680-115546-15), SB-165 (0-2') (680-115546-16), SB-164 (0-2') (680-115546-17), SB-190 (0-2') (680-115546-18), SB-189 (0-2') (680-115546-19), SB-168 (0-2') (680-115546-20), SB-192 (0-2') (680-115546-21), SB-167 (0-2') (680-115546-22) and SB-187 (0-2') (680-115546-23) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 08/13/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-159 (0-2')

Date Collected: 08/11/15 12:55
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-1

Matrix: Solid
Percent Solids: 86.0

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	5.1		0.38	0.084	mg/Kg	☼	08/13/15 12:43	08/18/15 20:40	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	0	D	24 - 130	08/13/15 12:43	08/18/15 20:40	10
2-Fluorobiphenyl (Surr)	0	D	11 - 130	08/13/15 12:43	08/18/15 20:40	10
2-Fluorophenol (Surr)	0	D	10 - 130	08/13/15 12:43	08/18/15 20:40	10
Terphenyl-d14 (Surr)	0	D	27 - 130	08/13/15 12:43	08/18/15 20:40	10
Phenol-d5 (Surr)	0	D	10 - 130	08/13/15 12:43	08/18/15 20:40	10
Nitrobenzene-d5 (Surr)	0	D	18 - 130	08/13/15 12:43	08/18/15 20:40	10

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.040		0.038	0.011	mg/Kg	☼	08/13/15 11:38	08/13/15 21:46	1
PCB-1260	0.017	J p	0.038	0.011	mg/Kg	☼	08/13/15 11:38	08/13/15 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	65		54 - 133	08/13/15 11:38	08/13/15 21:46	1
Tetrachloro-m-xylene	69		46 - 130	08/13/15 11:38	08/13/15 21:46	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000020	J	0.000023	0.00000022	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-2	0.0000080	J	0.000023	0.00000025	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-3	0.0000084	J	0.000023	0.00000026	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-4	0.0000065	U	0.000023	0.0000065	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-5	0.0000031	U	0.000023	0.0000031	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-6	0.0000030	U	0.000023	0.0000030	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-7	0.0000029	U	0.000023	0.0000029	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-8	0.0000027	U	0.000023	0.0000027	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-9	0.0000034	U	0.000023	0.0000034	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-10	0.0000046	U	0.000023	0.0000046	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-11	0.0000032	U	0.000023	0.0000032	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-12/13	0.0000031	U	0.000046	0.0000031	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-14	0.0000027	U	0.000023	0.0000027	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-15	0.0000036	U	0.000023	0.0000036	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-16	0.0000033	J q	0.000023	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-17	0.0000028	J q	0.000023	0.00000092	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-18/30	0.0000071	J	0.000046	0.00000081	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-19	0.00000097	U	0.000023	0.00000097	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-20/28	0.000012	J	0.000046	0.0000028	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-21/33	0.0000050	J q	0.000046	0.0000024	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-22	0.0000029	U	0.000023	0.0000029	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-23	0.0000025	U	0.000023	0.0000025	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-24	0.00000074	U	0.000023	0.00000074	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-25	0.0000025	U	0.000023	0.0000025	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1

Client Sample ID: SB-159 (0-2')

Date Collected: 08/11/15 12:55
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-1

Matrix: Solid
Percent Solids: 86.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-26/29	0.0000027	U	0.000046	0.0000027	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-27	0.00000074	U	0.000023	0.00000074	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-31	**0.000019**	**J**	0.000023	0.0000025	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-32	**0.0000023**	**J q**	0.000023	0.00000066	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-34	0.0000028	U	0.000023	0.0000028	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-35	0.0000029	U	0.000023	0.0000029	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-36	0.0000027	U	0.000023	0.0000027	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-37	**0.000020**	**J**	0.000023	0.0000036	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-38	0.0000029	U	0.000023	0.0000029	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-39	0.0000026	U	0.000023	0.0000026	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-40/71	**0.000061**		0.000046	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-41	0.0000014	U	0.000023	0.0000014	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-42	**0.000022**	**J**	0.000023	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-43	0.0000013	U	0.000023	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-44/47/65	**0.00039**	**B**	0.000070	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-45	0.0000015	U	0.000023	0.0000015	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-46	0.0000014	U	0.000023	0.0000014	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-48	**0.000013**	**J**	0.000023	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-49/69	**0.00019**	**B**	0.000046	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-50/53	**0.000023**	**J**	0.000046	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-51	0.0000012	U	0.000023	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-52	**0.0013**	**B**	0.000023	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-54	0.00000027	U	0.000023	0.00000027	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-55	0.0000057	U	0.000023	0.0000057	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-56	**0.00012**		0.000023	0.0000070	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-57	**0.000050**		0.000023	0.0000066	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-58	0.0000064	U	0.000023	0.0000064	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-59/62/75	0.00000090	U	0.000070	0.00000090	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-60	**0.000045**		0.000023	0.0000062	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-61/70/74/76	**0.0012**	**B**	0.000093	0.0000063	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-63	0.0000061	U	0.000023	0.0000061	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-64	**0.00012**		0.000023	0.00000081	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-66	**0.00033**		0.000023	0.0000073	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-67	0.0000060	U	0.000023	0.0000060	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-68	0.0000058	U	0.000023	0.0000058	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-72	0.0000063	U	0.000023	0.0000063	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-73	0.00000098	U	0.000023	0.00000098	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-77	**0.00023**	**G**	0.0000084	0.0000084	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-78	0.0000070	U	0.000023	0.0000070	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-79	**0.000050**		0.000023	0.0000067	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-80	0.0000059	U	0.000023	0.0000059	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-81	0.0000084	U G	0.0000084	0.0000084	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-82	**0.00046**	**G**	0.000083	0.000083	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-83	**0.00021**	**G**	0.000099	0.000099	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-84	**0.00095**	**B G**	0.000083	0.000083	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1

Client Sample ID: SB-159 (0-2')

Date Collected: 08/11/15 12:55
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-1

Matrix: Solid
Percent Solids: 86.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-85/116/117	**0.00085**		0.000070	0.000062	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-86/87/97/108/119/125	**0.0029**	**B**	0.00014	0.000063	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-88/91	**0.00048**	**G**	0.000072	0.000072	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-89	0.000080	U G	0.000080	0.000080	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-90/101/113	**0.0043**	**B**	0.000070	0.000064	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-92	**0.00098**	**B G**	0.000076	0.000076	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-93/100	0.000074	U G	0.000074	0.000074	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-107/124	**0.00035**	**G**	0.000058	0.000058	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-94	0.000078	U G	0.000078	0.000078	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-95	**0.0025**	**E B G**	0.000076	0.000076	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-96	**0.000017**	**J**	0.000023	0.00000014	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-98/102	0.000067	U G	0.000067	0.000067	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-99	**0.0021**	**B G**	0.000069	0.000069	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-103	0.000069	U G	0.000069	0.000069	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-104	**0.00000025**	**J**	0.000023	0.00000013	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-105	**0.0022**	**G**	0.000064	0.000064	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-106	0.000061	U G	0.000061	0.000061	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-110/115	**0.0062**	**E B G**	0.000055	0.000055	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-109	**0.00041**	**G**	0.000058	0.000058	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-111	0.000051	U G	0.000051	0.000051	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-112	0.000051	U G	0.000051	0.000051	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-114	**0.00011**	**G**	0.000065	0.000065	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-118	**0.0053**	**E B G**	0.000059	0.000059	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-120	0.000055	U G	0.000055	0.000055	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-121	0.000054	U G	0.000054	0.000054	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-122	0.000065	U G	0.000065	0.000065	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-123	**0.00014**	**G**	0.000061	0.000061	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-126	0.000085	U G	0.000085	0.000085	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-127	0.000067	U G	0.000067	0.000067	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-128/166	**0.0045**	**G**	0.000082	0.000082	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-129/138/163	**0.026**	**E B G**	0.000082	0.000082	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-130	**0.0015**	**G**	0.00010	0.00010	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-131	**0.00014**	**G**	0.000096	0.000096	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-132	**0.0046**	**E B G**	0.000089	0.000089	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-133	**0.00029**	**G**	0.000088	0.000088	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-134/143	**0.00094**	**G**	0.000091	0.000091	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-135/151	**0.0045**	**G**	0.000085	0.000085	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-136	**0.0018**	**B G**	0.000064	0.000064	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-137	**0.0017**	**G**	0.000089	0.000089	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-139/140	**0.00047**	**G**	0.000080	0.000080	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-141	**0.0027**	**E G**	0.000085	0.000085	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-142	0.000086	U G	0.000086	0.000086	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-144	**0.00038**	**G**	0.000081	0.000081	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-145	0.000060	U G	0.000060	0.000060	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-146	**0.0031**	**E G**	0.000086	0.000086	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-147/149	**0.0091**	**E B G**	0.000082	0.000082	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-148	0.000080	U G	0.000080	0.000080	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-150	0.000056	U G	0.000056	0.000056	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1

Client Sample ID: SB-159 (0-2')

Date Collected: 08/11/15 12:55
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-1

Matrix: Solid
Percent Solids: 86.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-152	0.000060	U G	0.000060	0.000060	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-153/168	**0.011**	**E B G**	0.000070	0.000070	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-154	0.000072	U G	0.000072	0.000072	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-155	0.000053	U G	0.000053	0.000053	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-156/157	**0.0022**	**G**	0.000019	0.000019	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-158	**0.0019**	**G**	0.000064	0.000064	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-159	**0.000055**		0.000023	0.000014	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-160	0.000078	U G	0.000078	0.000078	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-161	0.000064	U G	0.000064	0.000064	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-162	**0.00014**		0.000023	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-164	**0.0017**	**G**	0.000066	0.000066	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-165	0.000074	U G	0.000074	0.000074	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-167	**0.0011**	**G**	0.000012	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-169	0.000018	U G	0.000018	0.000018	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-170	**0.0037**	**E**	0.000023	0.0000046	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-171/173	**0.0011**		0.000046	0.0000040	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-172	**0.00050**		0.000023	0.0000041	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-174	**0.0024**	**E**	0.000023	0.0000038	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-175	**0.00010**		0.000023	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-176	**0.00022**		0.000023	0.00000081	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-177	**0.0015**		0.000023	0.0000040	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-178	**0.00033**		0.000023	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-179	**0.00068**		0.000023	0.00000088	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-180/193	**0.0052**	**E B**	0.000046	0.0000034	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-181	**0.000078**		0.000023	0.0000036	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-182	**0.000021**	**J**	0.000023	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-183	**0.0013**		0.000023	0.0000031	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-184	0.00000088	U	0.000023	0.00000088	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-185	**0.00018**		0.000023	0.0000036	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-186	0.00000086	U	0.000023	0.00000086	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-187	**0.0018**		0.000023	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-188	**0.0000051**	**J**	0.000023	0.00000087	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-189	**0.00014**		0.0000023	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-190	**0.00059**		0.000023	0.0000033	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-191	**0.00013**		0.000023	0.0000031	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-192	0.0000032	U	0.000023	0.0000032	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-194	**0.00054**		0.000023	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-195	**0.00021**		0.000023	0.00000092	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-196	**0.00027**		0.000023	0.00000070	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-197	**0.000017**	**J**	0.000023	0.00000044	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-198/199	**0.00052**		0.000046	0.00000071	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-200	**0.000060**		0.000023	0.00000045	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1

Client Sample ID: SB-159 (0-2')

Date Collected: 08/11/15 12:55
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-1

Matrix: Solid
Percent Solids: 86.0

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-201	0.000060		0.000023	0.00000043	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-202	0.000083		0.000023	0.00000046	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-203	0.00035		0.000023	0.00000066	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-204	0.00000045	U	0.000023	0.00000045	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-205	0.000031		0.000023	0.00000085	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-206	0.00023		0.000023	0.00000050	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-207	0.000027		0.000023	0.00000030	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-208	0.000059		0.000023	0.00000034	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1
PCB-209	0.000065		0.000023	0.00000033	mg/Kg	☼	08/14/15 18:28	08/20/15 16:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*52*		*5 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-3L	*59*		*5 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-4L	*61*		*5 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-15L	*70*		*5 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-19L	*71*		*5 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-37L	*73*		*5 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-54L	*61*		*5 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-77L	*77*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-81L	*78*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-104L	*68*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-105L	*78*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-114L	*76*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-118L	*77*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-123L	*77*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-126L	*75*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-155L	*91*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-156L/157L	*89*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-167L	*90*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-169L	*88*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-188L	*76*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-189L	*83*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-202L	*76*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-205L	*80*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-206L	*70*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-208L	*76*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-209L	*61*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*69*		*5 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-111L	*83*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*
PCB-178L	*79*		*10 - 145*	*08/14/15 18:28*	*08/20/15 16:26*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-159 (0-2')

Date Collected: 08/11/15 12:55
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-1

Matrix: Solid
Percent Solids: 86.0

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000000067	U	0.0000012	0.0000000 67	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
2,3,7,8-TCDF	**0.00000087**	**J**	0.0000012	0.0000001 1	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,7,8-PeCDD	**0.00000040**	**J**	0.0000058	0.0000001 5	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,7,8-PeCDF	0.00000015	U	0.0000058	0.0000001 5	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
2,3,4,7,8-PeCDF	**0.00000048**	**J**	0.0000058	0.0000001 6	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,4,7,8-HxCDD	**0.00000052**	**J q**	0.0000058	0.0000001 2	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,6,7,8-HxCDD	**0.0000019**	**J**	0.0000058	0.0000001 0	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,7,8,9-HxCDD	**0.0000018**	**J**	0.0000058	0.0000000 95	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,4,7,8-HxCDF	**0.0000012**	**J**	0.0000058	0.0000001 7	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,6,7,8-HxCDF	**0.00000081**	**J**	0.0000058	0.0000001 5	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,7,8,9-HxCDF	0.00000018	U	0.0000058	0.0000001 8	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
2,3,4,6,7,8-HxCDF	**0.00000057**	**J**	0.0000058	0.0000001 7	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,4,6,7,8-HpCDD	**0.000071**		0.0000058	0.0000034	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,4,6,7,8-HpCDF	**0.000014**	**B**	0.0000058	0.0000004 0	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
1,2,3,4,7,8,9-HpCDF	0.00000048	U	0.0000058	0.0000004 8	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
OCDD	**0.0013**	**B**	0.000012	0.0000075	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
OCDF	**0.000048**		0.000012	0.0000003 0	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
Total TCDD	**0.00000070**	**J q B**	0.0000012	0.0000000 67	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
Total TCDF	**0.0000057**		0.0000012	0.0000001 1	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
Total PeCDD	**0.0000021**	**J q**	0.0000058	0.0000001 5	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
Total PeCDF	**0.0000091**	**q**	0.0000058	0.0000001 5	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
Total HxCDD	**0.000027**	**q**	0.0000058	0.0000001 0	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
Total HxCDF	**0.000017**	**q**	0.0000058	0.0000001 7	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
Total HpCDD	**0.00040**	**B**	0.0000058	0.0000034	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1
Total HpCDF	**0.000046**	**B**	0.0000058	0.0000004 4	mg/Kg	☼	08/28/15 14:07	08/31/15 22:26	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*65*		*40 - 135*	*08/28/15 14:07*	*08/31/15 22:26*	*1*
13C-2,3,7,8-TCDF	*67*		*40 - 135*	*08/28/15 14:07*	*08/31/15 22:26*	*1*
13C-1,2,3,7,8-PeCDD	*64*		*40 - 135*	*08/28/15 14:07*	*08/31/15 22:26*	*1*
13C-1,2,3,7,8-PeCDF	*68*		*40 - 135*	*08/28/15 14:07*	*08/31/15 22:26*	*1*
13C-1,2,3,6,7,8-HxCDD	*69*		*40 - 135*	*08/28/15 14:07*	*08/31/15 22:26*	*1*
13C-1,2,3,4,7,8-HxCDF	*68*		*40 - 135*	*08/28/15 14:07*	*08/31/15 22:26*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*64*		*40 - 135*	*08/28/15 14:07*	*08/31/15 22:26*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-159 (0-2')

Lab Sample ID: 680-115546-1
Date Collected: 08/11/15 12:55
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 86.0

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	*66*		*40 - 135*	*08/28/15 14:07*	*08/31/15 22:26*	*1*
13C-OCDD	*55*		*40 - 135*	*08/28/15 14:07*	*08/31/15 22:26*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**0.14**		0.0000020	0.00000020	mg/Kg			09/03/15 15:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-159 (2-4')

Date Collected: 08/11/15 13:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-2

Matrix: Solid
Percent Solids: 81.8

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**		0.040	0.0088	mg/Kg	☼	08/13/15 12:43	08/14/15 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*24 - 130*	*08/13/15 12:43*	*08/14/15 15:17*	*1*
2-Fluorobiphenyl (Surr)	*58*		*11 - 130*	*08/13/15 12:43*	*08/14/15 15:17*	*1*
2-Fluorophenol (Surr)	*51*		*10 - 130*	*08/13/15 12:43*	*08/14/15 15:17*	*1*
Terphenyl-d14 (Surr)	*49*		*27 - 130*	*08/13/15 12:43*	*08/14/15 15:17*	*1*
Phenol-d5 (Surr)	*54*		*10 - 130*	*08/13/15 12:43*	*08/14/15 15:17*	*1*
Nitrobenzene-d5 (Surr)	*59*		*18 - 130*	*08/13/15 12:43*	*08/14/15 15:17*	*1*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.012	U	0.040	0.012	mg/Kg	☼	08/13/15 11:38	08/13/15 22:00	1
PCB-1260	0.012	U	0.040	0.012	mg/Kg	☼	08/13/15 11:38	08/13/15 22:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*54 - 133*	*08/13/15 11:38*	*08/13/15 22:00*	*1*
Tetrachloro-m-xylene	*68*		*46 - 130*	*08/13/15 11:38*	*08/13/15 22:00*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.000011**	**J**	0.000024	0.00000032	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-2	**0.0000039**	**J**	0.000024	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-3	**0.0000017**	**J**	0.000024	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-4	0.000011	U	0.000024	0.000011	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-5	0.0000074	U	0.000024	0.0000074	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-6	0.0000071	U	0.000024	0.0000071	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-7	0.0000067	U	0.000024	0.0000067	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-8	0.0000064	U	0.000024	0.0000064	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-9	0.0000081	U	0.000024	0.0000081	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-10	0.0000085	U	0.000024	0.0000085	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-11	0.0000075	U	0.000024	0.0000075	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-12/13	0.0000072	U	0.000048	0.0000072	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-14	0.0000063	U	0.000024	0.0000063	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-15	0.0000094	U	0.000024	0.0000094	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-16	0.0000015	U	0.000024	0.0000015	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-17	0.0000013	U	0.000024	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-18/30	0.0000011	U	0.000048	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-19	0.0000014	U	0.000024	0.0000014	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-20/28	0.0000034	U	0.000048	0.0000034	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-21/33	0.0000030	U	0.000048	0.0000030	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-22	0.0000036	U	0.000024	0.0000036	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-23	0.0000031	U	0.000024	0.0000031	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-24	0.0000010	U	0.000024	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-25	0.0000030	U	0.000024	0.0000030	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-26/29	0.0000033	U	0.000048	0.0000033	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-27	0.0000010	U	0.000024	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-31	0.0000030	U	0.000024	0.0000030	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1

Client Sample ID: SB-159 (2-4')

Date Collected: 08/11/15 13:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-2

Matrix: Solid
Percent Solids: 81.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-32	0.00000091	U	0.000024	0.00000091	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-34	0.0000034	U	0.000024	0.0000034	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-35	0.0000035	U	0.000024	0.0000035	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-36	0.0000033	U	0.000024	0.0000033	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-37	0.0000043	U	0.000024	0.0000043	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-38	0.0000035	U	0.000024	0.0000035	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-39	0.0000032	U	0.000024	0.0000032	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-40/71	**0.0000091**	**J**	0.000048	0.00000033	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-41	0.00000040	U	0.000024	0.00000040	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-42	**0.0000029**	**J**	0.000024	0.00000033	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-43	0.00000037	U	0.000024	0.00000037	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-44/47/65	**0.000043**	**J B**	0.000072	0.00000033	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-45	0.00000042	U	0.000024	0.00000042	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-46	0.00000041	U	0.000024	0.00000041	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-48	0.00000033	U	0.000024	0.00000033	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-49/69	**0.000020**	**J B**	0.000048	0.00000029	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-50/53	**0.0000029**	**J**	0.000048	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-51	0.00000033	U	0.000024	0.00000033	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-52	**0.00013**	**B**	0.000024	0.00000037	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-54	0.00000061	U	0.000024	0.00000061	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-55	0.00000094	U	0.000024	0.00000094	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-56	**0.000011**	**J q**	0.000024	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-57	**0.0000070**	**J**	0.000024	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-58	0.0000011	U	0.000024	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-59/62/75	0.00000026	U	0.000072	0.00000026	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-60	**0.0000036**	**J**	0.000024	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-61/70/74/76	**0.00011**	**B**	0.000096	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-63	0.0000010	U	0.000024	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-64	**0.000012**	**J**	0.000024	0.00000023	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-66	**0.000031**		0.000024	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-67	0.00000099	U	0.000024	0.00000099	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-68	0.00000096	U	0.000024	0.00000096	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-72	0.0000010	U	0.000024	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-73	0.00000028	U	0.000024	0.00000028	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1

Client Sample ID: SB-159 (2-4')

Date Collected: 08/11/15 13:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-2

Matrix: Solid
Percent Solids: 81.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-77	0.000058		0.0000024	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-78	0.0000017	J	0.000024	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-79	0.0000075	J q	0.000024	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-80	0.00000098	U	0.000024	0.00000098	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-81	0.0000024		0.0000024	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-82	0.000064		0.000024	0.000011	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-83	0.000030		0.000024	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-84	0.00011	B	0.000024	0.000011	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-85/116/117	0.000087		0.000072	0.0000083	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-86/87/97/108/119/125	0.00034	B	0.00014	0.0000085	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-88/91	0.000056		0.000048	0.0000097	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-89	0.000011	U	0.000024	0.000011	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-90/101/113	0.00048	B	0.000072	0.0000086	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-92	0.00010	B	0.000024	0.000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-93/100	0.0000099	U	0.000048	0.0000099	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-107/124	0.000027	J q	0.000048	0.0000078	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-94	0.000010	U	0.000024	0.000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-95	0.00032	B	0.000024	0.000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-96	0.0000023	J	0.000024	0.00000045	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-98/102	0.0000090	U	0.000048	0.0000090	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-99	0.00021	B	0.000024	0.0000092	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-103	0.0000093	U	0.000024	0.0000093	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-104	0.00000047	U	0.000024	0.00000047	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-105	0.00025	G	0.0000084	0.0000084	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-106	0.0000082	U	0.000024	0.0000082	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-110/115	0.00083	B	0.000048	0.0000074	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-109	0.000045		0.000024	0.0000078	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-111	0.0000069	U	0.000024	0.0000069	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-112	0.0000068	U	0.000024	0.0000068	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-114	0.000012	G	0.0000081	0.0000081	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-118	0.00060	G B	0.0000076	0.0000076	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-120	0.0000074	U	0.000024	0.0000074	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-121	0.0000073	U	0.000024	0.0000073	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-122	0.000016	J	0.000024	0.0000087	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-123	0.000016	G	0.0000080	0.0000080	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-126	0.000024	G	0.000010	0.000010	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-127	0.0000090	U	0.000024	0.0000090	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-128/166	0.00033		0.000048	0.0000072	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-129/138/163	0.0017	B	0.000072	0.0000072	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-130	0.00011		0.000024	0.0000089	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-131	0.0000084	U	0.000024	0.0000084	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-132	0.00036	B	0.000024	0.0000078	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-133	0.000014	J	0.000024	0.0000077	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-134/143	0.000057		0.000048	0.0000079	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-135/151	0.00022		0.000048	0.0000074	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-136	0.000086	B	0.000024	0.0000056	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-137	0.00010		0.000024	0.0000077	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1

Client Sample ID: SB-159 (2-4')

Date Collected: 08/11/15 13:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-2

Matrix: Solid
Percent Solids: 81.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-139/140	0.000024	J	0.000048	0.0000070	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-141	0.00019		0.000024	0.0000074	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-142	0.0000075	U	0.000024	0.0000075	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-144	0.000026		0.000024	0.0000070	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-145	0.0000052	U	0.000024	0.0000052	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-146	0.00017		0.000024	0.0000075	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-147/149	0.00058	B	0.000048	0.0000071	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-148	0.0000070	U	0.000024	0.0000070	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-150	0.0000049	U	0.000024	0.0000049	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-152	0.0000053	U	0.000024	0.0000053	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-153/168	0.00074	B	0.000048	0.0000061	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-154	0.0000063	U	0.000024	0.0000063	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-155	0.0000049	U	0.000024	0.0000049	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-156/157	0.00018		0.0000048	0.0000022	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-158	0.00018		0.000024	0.0000056	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-159	0.0000016	U	0.000024	0.0000016	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-160	0.0000068	U	0.000024	0.0000068	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-161	0.0000056	U	0.000024	0.0000056	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-162	0.0000087	J	0.000024	0.0000015	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-164	0.00011		0.000024	0.0000057	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-165	0.0000065	U	0.000024	0.0000065	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-167	0.000075		0.0000024	0.0000015	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-169	0.0000022	U	0.0000024	0.0000022	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-170	0.00023		0.000024	0.00000064	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-171/173	0.000062		0.000048	0.00000056	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-172	0.000032		0.000024	0.00000057	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-174	0.00013		0.000024	0.00000054	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-175	0.0000061	J	0.000024	0.00000031	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-176	0.000011	J	0.000024	0.00000021	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-177	0.000084		0.000024	0.00000056	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-178	0.000020	J	0.000024	0.00000032	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-179	0.000032		0.000024	0.00000023	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-180/193	0.00033	B	0.000048	0.00000048	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-181	0.0000038	J q	0.000024	0.00000050	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-182	0.0000018	J	0.000024	0.00000028	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-183	0.000068		0.000024	0.00000044	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-184	0.00000023	U	0.000024	0.00000023	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-185	0.000012	J	0.000024	0.00000050	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1

Client Sample ID: SB-159 (2-4')

Date Collected: 08/11/15 13:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-2

Matrix: Solid
Percent Solids: 81.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-186	0.00000023	U	0.000024	0.00000023	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-187	**0.00011**		0.000024	0.00000030	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-188	0.00000023	U	0.000024	0.00000023	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-189	**0.0000091**		0.0000024	0.00000046	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-190	**0.000038**		0.000024	0.00000046	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-191	**0.0000096**	**J**	0.000024	0.00000044	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-192	0.00000045	U	0.000024	0.00000045	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-194	**0.000035**		0.000024	0.00000038	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-195	**0.000013**	**J**	0.000024	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-196	**0.000018**	**J**	0.000024	0.00000055	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-197	**0.00000087**	**J q**	0.000024	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-198/199	**0.000036**	**J**	0.000048	0.00000056	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-200	**0.0000039**	**J**	0.000024	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-201	**0.0000035**	**J**	0.000024	0.00000034	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-202	**0.0000053**	**J q**	0.000024	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-203	**0.000024**		0.000024	0.00000052	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-204	0.00000036	U	0.000024	0.00000036	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-205	**0.0000021**	**J**	0.000024	0.00000034	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-206	**0.000015**	**J**	0.000024	0.00000032	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-207	**0.0000017**	**J**	0.000024	0.00000020	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-208	**0.0000039**	**J**	0.000024	0.00000023	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1
PCB-209	**0.0000038**	**J**	0.000024	0.00000022	mg/Kg	☼	08/14/15 18:28	08/20/15 17:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*49*		*5 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*
PCB-3L	*55*		*5 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*
PCB-4L	*57*		*5 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*
PCB-15L	*61*		*5 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*
PCB-19L	*73*		*5 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*
PCB-37L	*70*		*5 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*
PCB-54L	*49*		*5 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*
PCB-77L	*76*		*10 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*
PCB-81L	*75*		*10 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*
PCB-104L	*58*		*10 - 145*	*08/14/15 18:28*	*08/20/15 17:41*	*1*

Client Sample ID: SB-159 (2-4')

Date Collected: 08/11/15 13:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-2

Matrix: Solid
Percent Solids: 81.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-105L	84		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-114L	83		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-118L	83		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-123L	81		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-126L	92		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-155L	65		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-156L/157L	87		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-167L	84		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-169L	89		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-188L	72		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-189L	81		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-202L	81		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-205L	85		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-206L	83		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-208L	86		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-209L	72		10 - 145	08/14/15 18:28	08/20/15 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	62		5 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-111L	84		10 - 145	08/14/15 18:28	08/20/15 17:41	1
PCB-178L	81		10 - 145	08/14/15 18:28	08/20/15 17:41	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000000053	U	0.0000012	0.000000053	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
2,3,7,8-TCDF	0.000000048	U	0.0000012	0.000000048	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,7,8-PeCDD	0.000000090	U	0.0000059	0.000000090	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,7,8-PeCDF	0.000000053	U	0.0000059	0.000000053	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
2,3,4,7,8-PeCDF	0.000000055	U	0.0000059	0.000000055	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,4,7,8-HxCDD	**0.00000020**	**J q**	0.0000059	0.00000011	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,6,7,8-HxCDD	**0.00000029**	**J q**	0.0000059	0.000000091	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,7,8,9-HxCDD	**0.00000058**	**J q**	0.0000059	0.000000086	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,4,7,8-HxCDF	0.000000068	U	0.0000059	0.000000068	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,6,7,8-HxCDF	0.000000060	U	0.0000059	0.000000060	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,7,8,9-HxCDF	0.000000071	U	0.0000059	0.000000071	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
2,3,4,6,7,8-HxCDF	0.000000066	U	0.0000059	0.000000066	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,4,6,7,8-HpCDD	**0.000016**		0.0000059	0.00000060	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,4,6,7,8-HpCDF	**0.00000078**	**J B**	0.0000059	0.000000050	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
1,2,3,4,7,8,9-HpCDF	0.000000060	U	0.0000059	0.000000060	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-159 (2-4')

Date Collected: 08/11/15 13:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-2

Matrix: Solid
Percent Solids: 81.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.0022	B G	0.000013	0.000013	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
OCDF	0.0000039	J	0.000012	0.00000012	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
Total TCDD	0.00000020	J B q	0.0000012	0.000000053	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
Total TCDF	0.000000048	U	0.0000012	0.000000048	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
Total PeCDD	0.00000075	J q	0.0000059	0.000000090	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
Total PeCDF	0.00000023	J q	0.0000059	0.000000054	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
Total HxCDD	0.0000085	q	0.0000059	0.000000094	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
Total HxCDF	0.00000077	J q	0.0000059	0.000000066	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
Total HpCDD	0.000057	B	0.0000059	0.00000060	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1
Total HpCDF	0.0000035	J B	0.0000059	0.000000055	mg/Kg	☼	08/28/15 14:07	08/31/15 23:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*61*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:08*	*1*
13C-2,3,7,8-TCDF	*64*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:08*	*1*
13C-1,2,3,7,8-PeCDD	*58*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:08*	*1*
13C-1,2,3,7,8-PeCDF	*61*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:08*	*1*
13C-1,2,3,6,7,8-HxCDD	*64*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:08*	*1*
13C-1,2,3,4,7,8-HxCDF	*56*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:08*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*57*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:08*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*53*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:08*	*1*
13C-OCDD	*43*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:08*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.011		0.0000020	0.00000020	mg/Kg			09/03/15 15:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-160 (0-2')

Date Collected: 08/11/15 15:25
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-3

Matrix: Solid
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	0.18		0.038	0.0084	mg/Kg	☼	08/13/15 12:43	08/14/15 15:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	58		24 - 130	08/13/15 12:43	08/14/15 15:46	1
2-Fluorobiphenyl (Surr)	50		11 - 130	08/13/15 12:43	08/14/15 15:46	1
2-Fluorophenol (Surr)	52		10 - 130	08/13/15 12:43	08/14/15 15:46	1
Terphenyl-d14 (Surr)	51		27 - 130	08/13/15 12:43	08/14/15 15:46	1
Phenol-d5 (Surr)	54		10 - 130	08/13/15 12:43	08/14/15 15:46	1
Nitrobenzene-d5 (Surr)	51		18 - 130	08/13/15 12:43	08/14/15 15:46	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.17		0.038	0.012	mg/Kg	☼	08/13/15 11:38	08/13/15 22:15	1
PCB-1260	0.088		0.038	0.011	mg/Kg	☼	08/13/15 11:38	08/13/15 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		54 - 133	08/13/15 11:38	08/13/15 22:15	1
Tetrachloro-m-xylene	71		46 - 130	08/13/15 11:38	08/13/15 22:15	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.000012	J	0.000024	0.0000018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-2	0.0000062	J	0.000024	0.0000017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-3	0.0000034	J	0.000024	0.0000014	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-4	0.0000097	U	0.000024	0.0000097	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-5	0.0000065	U	0.000024	0.0000065	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-6	0.0000063	U	0.000024	0.0000063	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-7	0.0000059	U	0.000024	0.0000059	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-8	0.0000056	U	0.000024	0.0000056	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-9	0.0000071	U	0.000024	0.0000071	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-10	0.0000053	U	0.000024	0.0000053	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-11	0.0000066	U	0.000024	0.0000066	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-12/13	0.0000064	U	0.000047	0.0000064	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-14	0.0000056	U	0.000024	0.0000056	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-15	0.0000061	U	0.000024	0.0000061	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-16	0.000011	J	0.000024	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-17	0.0000092	J	0.000024	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-18/30	0.000022	J	0.000047	0.0000008 8	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-19	0.0000026	U	0.000024	0.0000026	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-20/28	0.000037	J	0.000047	0.0000050	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-21/33	0.000020	J	0.000047	0.0000044	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-22	0.000012	J	0.000024	0.0000053	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-23	0.0000045	U	0.000024	0.0000045	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-24	0.00000079	U	0.000024	0.0000007 9	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-25	0.0000045	U	0.000024	0.0000045	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-26/29	0.0000068	J	0.000047	0.0000048	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-27	0.0000019	J q	0.000024	0.0000008 0	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-31	0.000057		0.000024	0.0000045	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1

Client Sample ID: SB-160 (0-2')

Date Collected: 08/11/15 15:25
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-3

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-32	**0.0000070**	**J**	0.000024	0.0000007 2	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-34	0.0000051	U	0.000024	0.0000051	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-35	0.0000052	U	0.000024	0.0000052	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-36	0.0000049	U	0.000024	0.0000049	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-37	**0.000041**		0.000024	0.0000040	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-38	0.0000052	U	0.000024	0.0000052	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-39	0.0000047	U	0.000024	0.0000047	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-40/71	0.0000051	U	0.000047	0.0000051	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-41	**0.00023**		0.000024	0.0000062	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-42	**0.000086**		0.000024	0.0000050	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-43	0.0000057	U	0.000024	0.0000057	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-44/47/65	**0.0015**	**B**	0.000071	0.0000050	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-45	0.0000065	U	0.000024	0.0000065	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-46	0.0000063	U	0.000024	0.0000063	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-48	0.0000052	U	0.000024	0.0000052	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-49/69	**0.00065**	**B**	0.000047	0.0000044	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-50/53	**0.000091**		0.000047	0.0000054	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-51	0.0000051	U	0.000024	0.0000051	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-52	**0.0050**	**B E**	0.000024	0.0000058	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-54	0.00000037	U	0.000024	0.0000003 7	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-55	0.000015	U	0.000024	0.000015	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-56	**0.00032**		0.000024	0.000018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-57	0.000017	U	0.000024	0.000017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-58	**0.00029**		0.000024	0.000017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-59/62/75	0.0000039	U	0.000071	0.0000039	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-60	**0.00010**		0.000024	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-61/70/74/76	**0.0035**	**B**	0.000094	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-63	0.000016	U	0.000024	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-64	**0.00037**		0.000024	0.0000035	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-66	**0.00082**		0.000024	0.000019	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-67	0.000016	U	0.000024	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-68	0.000015	U	0.000024	0.000015	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-72	0.000016	U	0.000024	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-73	0.0000043	U	0.000024	0.0000043	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-77	**0.00073**	**G**	0.000017	0.000017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-78	**0.000063**		0.000024	0.000018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-79	**0.00023**		0.000024	0.000017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-80	0.000016	U	0.000024	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-81	**0.000062**	**G**	0.000017	0.000017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-82	**0.0018**	**G**	0.00022	0.00022	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-83	**0.00066**	**G**	0.00026	0.00026	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-84	**0.0041**	**B G E**	0.00022	0.00022	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-85/116/117	**0.0028**	**G**	0.00016	0.00016	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-86/87/97/108/119/125	**0.011**	**B G**	0.00017	0.00017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-88/91	**0.0019**	**G**	0.00019	0.00019	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-89	0.00021	U G	0.00021	0.00021	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-90/101/113	**0.015**	**B G E**	0.00017	0.00017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-92	**0.0030**	**B G E**	0.00020	0.00020	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1

Client Sample ID: SB-160 (0-2')

Date Collected: 08/11/15 15:25
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-3

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-93/100	0.00019	U G	0.00019	0.00019	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-107/124	**0.00072**	**G**	0.00015	0.00015	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-94	0.00020	U G	0.00020	0.00020	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-95	**0.011**	**B G E**	0.00020	0.00020	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-96	**0.000061**		0.000024	0.00000025	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-98/102	0.00018	U G	0.00018	0.00018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-99	**0.0068**	**B G E**	0.00018	0.00018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-103	0.00018	U G	0.00018	0.00018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-104	0.00000032	U	0.000024	0.00000032	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-105	**0.0050**	**E G**	0.00015	0.00015	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-106	0.00016	U G	0.00016	0.00016	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-110/115	**0.020**	**B G E**	0.00014	0.00014	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-109	**0.00095**	**G**	0.00015	0.00015	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-111	0.00013	U G	0.00013	0.00013	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-112	0.00013	U G	0.00013	0.00013	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-114	**0.00024**	**G**	0.00015	0.00015	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-118	**0.013**	**E B G**	0.00015	0.00015	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-120	0.00015	U G	0.00015	0.00015	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-121	0.00014	U G	0.00014	0.00014	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-122	**0.00022**	**G**	0.00017	0.00017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-123	**0.00023**	**G**	0.00015	0.00015	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-126	**0.00031**	**G**	0.00017	0.00017	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-127	0.00018	U G	0.00018	0.00018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-128/166	**0.0065**	**G E**	0.00011	0.00011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-129/138/163	**0.032**	**B G E**	0.00011	0.00011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-130	**0.0021**	**G**	0.00014	0.00014	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-131	**0.00036**	**G**	0.00013	0.00013	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-132	**0.0085**	**B G E**	0.00012	0.00012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-133	**0.00031**	**G**	0.00012	0.00012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-134/143	**0.0014**	**G**	0.00012	0.00012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-135/151	**0.0050**	**G E**	0.00011	0.00011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-136	**0.0023**	**B G**	0.000086	0.000086	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-137	**0.0021**	**G**	0.00012	0.00012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-139/140	**0.00053**	**G**	0.00011	0.00011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-141	**0.0040**	**G E**	0.00011	0.00011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-142	0.00012	U G	0.00012	0.00012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-144	**0.00075**	**G**	0.00011	0.00011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-145	0.000081	U G	0.000081	0.000081	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-146	**0.0035**	**G E**	0.00012	0.00012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-147/149	**0.014**	**B G E**	0.00011	0.00011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-148	0.00011	U G	0.00011	0.00011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-150	0.000076	U G	0.000076	0.000076	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-152	0.000082	U G	0.000082	0.000082	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-153/168	**0.016**	**B G E**	0.000094	0.000094	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-154	0.000097	U G	0.000097	0.000097	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-155	0.000099	U G	0.000099	0.000099	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-156/157	**0.0032**	**G**	0.000018	0.000018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-158	**0.0030**	**G E**	0.000087	0.000087	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1

Client Sample ID: SB-160 (0-2')

Date Collected: 08/11/15 15:25
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-3

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-159	0.000014	U	0.000024	0.000014	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-160	0.00010	U G	0.00010	0.00010	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-161	0.000086	U G	0.000086	0.000086	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-162	**0.00018**		0.000024	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-164	**0.0020**	**G**	0.000089	0.000089	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-165	0.00010	U G	0.00010	0.00010	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-167	**0.0015**	**G**	0.000012	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-169	0.000016	U G	0.000016	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-170	**0.0049**	**E**	0.000024	0.0000033	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-171/173	**0.0014**		0.000047	0.0000029	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-172	**0.00068**		0.000024	0.0000030	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-174	**0.0030**	**E**	0.000024	0.0000028	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-175	**0.00012**		0.000024	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-176	**0.00026**		0.000024	0.00000081	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-177	**0.0019**		0.000024	0.0000029	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-178	**0.00039**		0.000024	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-179	**0.00073**		0.000024	0.00000089	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-180/193	**0.0070**	**B E**	0.000047	0.0000025	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-181	**0.000090**		0.000024	0.0000026	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-182	**0.000020**	**J**	0.000024	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-183	**0.0016**		0.000024	0.0000023	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-184	0.00000088	U	0.000024	0.00000088	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-185	**0.00023**		0.000024	0.0000026	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-186	0.00000086	U	0.000024	0.00000086	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-187	**0.0022**		0.000024	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-188	0.0000010	U	0.000024	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-189	**0.00016**		0.0000024	0.00000089	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-190	**0.00079**		0.000024	0.0000023	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-191	**0.00018**		0.000024	0.0000022	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-192	0.0000023	U	0.000024	0.0000023	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-194	**0.00075**		0.000024	0.00000088	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-195	**0.00027**		0.000024	0.00000081	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-196	**0.00036**		0.000024	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-197	**0.000021**	**J**	0.000024	0.00000073	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-198/199	**0.00071**		0.000047	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-200	**0.000073**		0.000024	0.00000075	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-201	**0.000074**		0.000024	0.00000072	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-202	**0.00011**		0.000024	0.00000082	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-203	**0.00047**		0.000024	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-204	0.00000075	U	0.000024	0.00000075	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1

Client Sample ID: SB-160 (0-2')

Date Collected: 08/11/15 15:25
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-3

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-205	0.000037		0.000024	0.00000067	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-206	0.00027		0.000024	0.00000029	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-207	0.000032		0.000024	0.00000018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-208	0.000061		0.000024	0.00000021	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1
PCB-209	0.000035		0.000024	0.00000018	mg/Kg	☼	08/14/15 18:28	08/20/15 18:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*51*		*5 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-3L	*65*		*5 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-4L	*51*		*5 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-15L	*79*		*5 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-19L	*30*		*5 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-37L	*111*		*5 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-54L	*46*		*5 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-77L	*106*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-81L	*106*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-104L	*55*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-105L	*97*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-114L	*94*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-118L	*92*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-123L	*93*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-126L	*112*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-155L	*63*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-156L/157L	*104*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-167L	*101*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-169L	*110*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-188L	*52*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-189L	*82*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-202L	*65*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-205L	*82*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-206L	*78*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-208L	*77*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-209L	*68*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*88*		*5 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-111L	*95*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*
PCB-178L	*80*		*10 - 145*	*08/14/15 18:28*	*08/20/15 18:56*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000015	J q	0.0000012	0.000000058	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
2,3,7,8-TCDF	0.0000011	J	0.0000012	0.000000066	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,7,8-PeCDD	0.00000017	U	0.0000058	0.00000017	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1

Client Sample ID: SB-160 (0-2')

Date Collected: 08/11/15 15:25
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-3

Matrix: Solid
Percent Solids: 85.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDF	0.00000021	J q	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
2,3,4,7,8-PeCDF	0.00000039	J	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,4,7,8-HxCDD	0.00000072	J	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,6,7,8-HxCDD	0.0000016	J	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,7,8,9-HxCDD	0.0000018	J	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,4,7,8-HxCDF	0.0000012	J	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,6,7,8-HxCDF	0.00000059	J	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,7,8,9-HxCDF	0.00000014	U	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
2,3,4,6,7,8-HxCDF	0.00000034	J q	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,4,6,7,8-HpCDD	0.000061		0.0000058	0.0000017	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,4,6,7,8-HpCDF	0.000010	B	0.0000058	0.0000002	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
1,2,3,4,7,8,9-HpCDF	0.00000034	U	0.0000058	0.0000003	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
OCDD	0.0060	E B G	0.000030	0.000030	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
OCDF	0.000041		0.000012	0.0000002	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
Total TCDD	0.00000070	J B q	0.0000012	0.0000000	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
Total TCDF	0.0000049	q	0.0000012	0.0000000	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
Total PeCDD	0.0000017	J q	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
Total PeCDF	0.0000058	q	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
Total HxCDD	0.000021		0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
Total HxCDF	0.000011	q	0.0000058	0.0000001	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
Total HpCDD	0.00016	B	0.0000058	0.0000017	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1
Total HpCDF	0.000034	B	0.0000058	0.0000003	mg/Kg	☼	08/28/15 14:07	08/31/15 23:50	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*59*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:50*	*1*
13C-2,3,7,8-TCDF	*63*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:50*	*1*
13C-1,2,3,7,8-PeCDD	*59*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:50*	*1*
13C-1,2,3,7,8-PeCDF	*63*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:50*	*1*
13C-1,2,3,6,7,8-HxCDD	*64*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:50*	*1*
13C-1,2,3,4,7,8-HxCDF	*62*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:50*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*60*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:50*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*62*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:50*	*1*
13C-OCDD	*56*		*40 - 135*	*08/28/15 14:07*	*08/31/15 23:50*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-160 (0-2')

Date Collected: 08/11/15 15:25
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-3

Matrix: Solid
Percent Solids: 85.6

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	0.00000020	mg/Kg			09/03/15 15:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-160 (2-4')

Date Collected: 08/11/15 15:30
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-4

Matrix: Solid
Percent Solids: 71.8

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	**0.011**	**J**	0.046	0.010	mg/Kg	☼	08/13/15 12:43	08/14/15 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*24 - 130*	*08/13/15 12:43*	*08/14/15 16:16*	*1*
2-Fluorobiphenyl (Surr)	*53*		*11 - 130*	*08/13/15 12:43*	*08/14/15 16:16*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 130*	*08/13/15 12:43*	*08/14/15 16:16*	*1*
Terphenyl-d14 (Surr)	*46*		*27 - 130*	*08/13/15 12:43*	*08/14/15 16:16*	*1*
Phenol-d5 (Surr)	*50*		*10 - 130*	*08/13/15 12:43*	*08/14/15 16:16*	*1*
Nitrobenzene-d5 (Surr)	*55*		*18 - 130*	*08/13/15 12:43*	*08/14/15 16:16*	*1*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**0.017**	**J**	0.045	0.014	mg/Kg	☼	08/13/15 11:38	08/13/15 22:29	1
PCB-1260	0.013	U	0.045	0.013	mg/Kg	☼	08/13/15 11:38	08/13/15 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*54 - 133*	*08/13/15 11:38*	*08/13/15 22:29*	*1*
Tetrachloro-m-xylene	*74*		*46 - 130*	*08/13/15 11:38*	*08/13/15 22:29*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00000058	U	0.000028	0.00000058	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-2	0.00000036	U	0.000028	0.00000036	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-3	0.00000035	U	0.000028	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-4	0.0000084	U	0.000028	0.0000084	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-5	0.0000065	U	0.000028	0.0000065	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-6	0.0000063	U	0.000028	0.0000063	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-7	0.0000059	U	0.000028	0.0000059	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-8	0.0000056	U	0.000028	0.0000056	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-9	0.0000071	U	0.000028	0.0000071	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-10	0.0000064	U	0.000028	0.0000064	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-11	0.0000066	U	0.000028	0.0000066	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-12/13	0.0000064	U	0.000055	0.0000064	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-14	0.0000056	U	0.000028	0.0000056	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-15	0.0000081	U	0.000028	0.0000081	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-16	0.0000010	U	0.000028	0.0000010	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-17	0.00000084	U	0.000028	0.00000084	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-18/30	**0.0000024**	**J q**	0.000055	0.00000074	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-19	0.00000092	U	0.000028	0.00000092	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-20/28	0.0000031	U	0.000055	0.0000031	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-21/33	0.0000027	U	0.000055	0.0000027	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-22	0.0000033	U	0.000028	0.0000033	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-23	0.0000028	U	0.000028	0.0000028	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-24	0.00000067	U	0.000028	0.00000067	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-25	0.0000028	U	0.000028	0.0000028	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1

Client Sample ID: SB-160 (2-4')

Date Collected: 08/11/15 15:30
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-4

Matrix: Solid
Percent Solids: 71.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-26/29	0.0000030	U	0.000055	0.0000030	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-27	0.00000067	U	0.000028	0.00000067	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-31	0.0000028	U	0.000028	0.0000028	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-32	**0.00000097**	**J q**	0.000028	0.00000060	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-34	0.0000031	U	0.000028	0.0000031	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-35	0.0000032	U	0.000028	0.0000032	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-36	0.0000030	U	0.000028	0.0000030	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-37	0.0000039	U	0.000028	0.0000039	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-38	0.0000032	U	0.000028	0.0000032	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-39	0.0000029	U	0.000028	0.0000029	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-40/71	**0.000016**	**J**	0.000055	0.00000046	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-41	0.00000057	U	0.000028	0.00000057	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-42	**0.0000061**	**J**	0.000028	0.00000046	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-43	0.00000052	U	0.000028	0.00000052	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-44/47/65	**0.00011**	**B**	0.000083	0.00000046	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-45	0.00000060	U	0.000028	0.00000060	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-46	0.00000058	U	0.000028	0.00000058	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-48	0.00000047	U	0.000028	0.00000047	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-49/69	**0.000047**	**J B**	0.000055	0.00000041	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-50/53	**0.0000064**	**J**	0.000055	0.00000050	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-51	0.00000047	U	0.000028	0.00000047	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-52	**0.00035**	**B**	0.000028	0.00000053	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-54	0.00000034	U	0.000028	0.00000034	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-55	**0.000043**		0.000028	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-56	**0.000027**	**J**	0.000028	0.0000015	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-57	**0.000013**	**J**	0.000028	0.0000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-58	0.0000014	U	0.000028	0.0000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-59/62/75	0.00000036	U	0.000083	0.00000036	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-60	**0.0000084**	**J**	0.000028	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-61/70/74/76	**0.00019**	**B**	0.00011	0.0000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-63	0.0000013	U	0.000028	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-64	**0.000026**	**J**	0.000028	0.00000032	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-66	0.0000016	U	0.000028	0.0000016	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-67	0.0000013	U	0.000028	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-68	0.0000013	U	0.000028	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-72	0.0000014	U	0.000028	0.0000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1

Client Sample ID: SB-160 (2-4')

Date Collected: 08/11/15 15:30
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-4

Matrix: Solid
Percent Solids: 71.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-73	0.00000039	U	0.000028	0.00000039	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-77	**0.000052**		0.0000028	0.0000017	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-78	**0.0000032**	**J**	0.000028	0.0000015	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-79	**0.000015**	**J**	0.000028	0.0000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-80	0.0000013	U	0.000028	0.0000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-81	**0.0000042**		0.0000028	0.0000017	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-82	**0.00012**		0.000028	0.000018	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-83	**0.000043**		0.000028	0.000022	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-84	**0.00017**	**B**	0.000028	0.000018	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-85/116/117	**0.00016**		0.000083	0.000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-86/87/97/108/119/125	**0.00071**	**B**	0.00017	0.000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-88/91	**0.000067**		0.000055	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-89	0.000017	U	0.000028	0.000017	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-90/101/113	**0.00098**	**B**	0.000083	0.000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-92	**0.00020**	**B**	0.000028	0.000017	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-93/100	0.000016	U	0.000055	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-107/124	**0.000057**		0.000055	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-94	0.000017	U	0.000028	0.000017	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-95	**0.00051**	**B**	0.000028	0.000017	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-96	**0.0000037**	**J**	0.000028	0.00000036	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-98/102	0.000015	U	0.000055	0.000015	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-99	**0.00043**	**B**	0.000028	0.000015	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-103	0.000015	U	0.000028	0.000015	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-104	0.00000041	U	0.000028	0.00000041	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-105	**0.00044**	**G**	0.000013	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-106	0.000013	U	0.000028	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-110/115	**0.0014**	**B**	0.000055	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-109	**0.000080**		0.000028	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-111	0.000011	U	0.000028	0.000011	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-112	0.000011	U	0.000028	0.000011	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-114	**0.000024**	**G**	0.000013	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-118	**0.0011**	**B G**	0.000012	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-120	0.000012	U	0.000028	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-121	0.000012	U	0.000028	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-122	**0.000021**	**J**	0.000028	0.000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-123	**0.000022**	**G**	0.000013	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-126	**0.000028**	**G**	0.000016	0.000016	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-127	0.000015	U	0.000028	0.000015	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-128/166	**0.00060**		0.000055	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-129/138/163	**0.0031**	**B**	0.000083	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-130	**0.00020**		0.000028	0.000015	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-131	**0.000027**	**J**	0.000028	0.000014	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-132	**0.00071**	**B**	0.000028	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-133	**0.000028**		0.000028	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-134/143	**0.00013**		0.000055	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-135/151	**0.00045**		0.000055	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-136	**0.00018**	**B**	0.000028	0.0000094	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1

Client Sample ID: SB-160 (2-4')

Date Collected: 08/11/15 15:30
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-4

Matrix: Solid
Percent Solids: 71.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-137	**0.00019**		0.000028	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-139/140	**0.000045**	**J**	0.000055	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-141	**0.00038**		0.000028	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-142	0.000013	U	0.000028	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-144	**0.000057**		0.000028	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-145	0.0000088	U	0.000028	0.0000088	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-146	**0.00032**		0.000028	0.000013	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-147/149	**0.0012**	**B**	0.000055	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-148	0.000012	U	0.000028	0.000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-150	0.0000083	U	0.000028	0.0000083	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-152	0.0000089	U	0.000028	0.0000089	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-153/168	**0.0014**	**B**	0.000055	0.000010	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-154	0.000011	U	0.000028	0.000011	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-155	0.0000096	U	0.000028	0.0000096	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-156/157	**0.00032**		0.0000055	0.0000035	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-158	**0.00031**		0.000028	0.0000095	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-159	0.0000027	U	0.000028	0.0000027	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-160	0.000011	U	0.000028	0.000011	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-161	0.0000094	U	0.000028	0.0000094	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-162	**0.000017**	**J**	0.000028	0.0000025	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-164	**0.00020**		0.000028	0.0000097	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-165	0.000011	U	0.000028	0.000011	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-167	**0.00013**		0.0000028	0.0000023	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-169	0.0000033	U G	0.0000033	0.0000033	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-170	**0.00047**		0.000028	0.00000074	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-171/173	**0.00012**		0.000055	0.00000064	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-172	**0.000064**		0.000028	0.00000066	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-174	**0.00029**		0.000028	0.00000062	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-175	**0.000013**	**J**	0.000028	0.00000047	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-176	**0.000026**	**J**	0.000028	0.00000032	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-177	**0.00017**		0.000028	0.00000064	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-178	**0.000040**		0.000028	0.00000048	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-179	**0.000072**		0.000028	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-180/193	**0.00069**	**B**	0.000055	0.00000056	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-181	**0.0000088**	**J**	0.000028	0.00000057	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-182	**0.0000027**	**J**	0.000028	0.00000043	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-183	**0.00015**		0.000028	0.00000051	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-184	0.00000035	U	0.000028	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1

Client Sample ID: SB-160 (2-4')

Date Collected: 08/11/15 15:30
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-4

Matrix: Solid
Percent Solids: 71.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-185	**0.000024**	**J**	0.000028	0.00000057	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-186	0.00000034	U	0.000028	0.00000034	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-187	**0.00025**		0.000028	0.00000045	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-188	0.00000036	U	0.000028	0.00000036	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-189	**0.000017**		0.0000028	0.00000035	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-190	**0.000078**		0.000028	0.00000053	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-191	**0.000018**	**J**	0.000028	0.00000050	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-192	0.00000052	U	0.000028	0.00000052	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-194	**0.00010**		0.000028	0.00000039	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-195	**0.000033**		0.000028	0.00000036	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-196	**0.000053**		0.000028	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-197	**0.0000029**	**J**	0.000028	0.00000076	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-198/199	**0.00011**		0.000055	0.0000012	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-200	**0.000012**	**J**	0.000028	0.00000077	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-201	**0.000012**	**J**	0.000028	0.00000075	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-202	**0.000021**	**J**	0.000028	0.00000081	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-203	**0.000077**		0.000028	0.0000011	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-204	0.00000078	U	0.000028	0.00000078	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-205	**0.0000049**	**J**	0.000028	0.00000033	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-206	**0.000061**		0.000028	0.00000025	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-207	**0.0000070**	**J**	0.000028	0.00000017	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-208	**0.000014**	**J**	0.000028	0.00000020	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1
PCB-209	**0.0000070**	**J**	0.000028	0.00000018	mg/Kg	☼	08/14/15 18:28	08/20/15 20:11	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*53*		*5 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*
PCB-3L	*61*		*5 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*
PCB-4L	*62*		*5 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*
PCB-15L	*66*		*5 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*
PCB-19L	*73*		*5 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*
PCB-37L	*73*		*5 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*
PCB-54L	*54*		*5 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*
PCB-77L	*81*		*10 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*
PCB-81L	*80*		*10 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*
PCB-104L	*53*		*10 - 145*	*08/14/15 18:28*	*08/20/15 20:11*	*1*

Client Sample ID: SB-160 (2-4')

Date Collected: 08/11/15 15:30
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-4

Matrix: Solid
Percent Solids: 71.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-105L	84		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-114L	81		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-118L	81		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-123L	80		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-126L	95		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-155L	58		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-156L/157L	84		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-167L	82		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-169L	89		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-188L	62		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-189L	79		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-202L	75		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-205L	85		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-206L	90		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-208L	82		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-209L	82		10 - 145	08/14/15 18:28	08/20/15 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	70		5 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-111L	79		10 - 145	08/14/15 18:28	08/20/15 20:11	1
PCB-178L	76		10 - 145	08/14/15 18:28	08/20/15 20:11	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000000084	U	0.0000014	0.0000000 84	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
2,3,7,8-TCDF	**0.00000016**	**J**	0.0000014	0.0000000 67	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,7,8-PeCDD	**0.00000066**	**J**	0.0000070	0.0000001 4	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,7,8-PeCDF	0.000000067	U	0.0000070	0.0000000 67	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
2,3,4,7,8-PeCDF	0.000000070	U	0.0000070	0.0000000 70	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,4,7,8-HxCDD	**0.00000068**	**J q**	0.0000070	0.0000002 0	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,6,7,8-HxCDD	**0.0000013**	**J**	0.0000070	0.0000001 7	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,7,8,9-HxCDD	**0.0000032**	**J**	0.0000070	0.0000001 6	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,4,7,8-HxCDF	0.00000011	U	0.0000070	0.0000001 1	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,6,7,8-HxCDF	0.000000094	U	0.0000070	0.0000000 94	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,7,8,9-HxCDF	0.00000011	U	0.0000070	0.0000001 1	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
2,3,4,6,7,8-HxCDF	0.00000010	U	0.0000070	0.0000001 0	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,4,6,7,8-HpCDD	**0.000078**		0.0000070	0.0000024	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,4,6,7,8-HpCDF	**0.0000020**	**J B**	0.0000070	0.0000000 85	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
1,2,3,4,7,8,9-HpCDF	0.00000010	U	0.0000070	0.0000001 0	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-160 (2-4')

Date Collected: 08/11/15 15:30
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-4

Matrix: Solid
Percent Solids: 71.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
OCDD	0.018	E B G	0.000074	0.000074	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
OCDF	0.0000072	J	0.000014	0.00000014	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
Total TCDD	0.0000023	B	0.0000014	0.00000084	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
Total TCDF	0.00000037	J q	0.0000014	0.00000067	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
Total PeCDD	0.0000052	J q	0.0000070	0.00000014	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
Total PeCDF	0.0000011	J q	0.0000070	0.00000069	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
Total HxCDD	0.000038	q	0.0000070	0.00000018	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
Total HxCDF	0.0000019	J q	0.0000070	0.00000010	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
Total HpCDD	0.00024	B	0.0000070	0.0000024	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1
Total HpCDF	0.0000067	J B	0.0000070	0.00000094	mg/Kg	☼	08/28/15 14:07	09/01/15 00:32	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*62*		*40 - 135*	*08/28/15 14:07*	*09/01/15 00:32*	*1*
13C-2,3,7,8-TCDF	*64*		*40 - 135*	*08/28/15 14:07*	*09/01/15 00:32*	*1*
13C-1,2,3,7,8-PeCDD	*55*		*40 - 135*	*08/28/15 14:07*	*09/01/15 00:32*	*1*
13C-1,2,3,7,8-PeCDF	*60*		*40 - 135*	*08/28/15 14:07*	*09/01/15 00:32*	*1*
13C-1,2,3,6,7,8-HxCDD	*60*		*40 - 135*	*08/28/15 14:07*	*09/01/15 00:32*	*1*
13C-1,2,3,4,7,8-HxCDF	*57*		*40 - 135*	*08/28/15 14:07*	*09/01/15 00:32*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*57*		*40 - 135*	*08/28/15 14:07*	*09/01/15 00:32*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*53*		*40 - 135*	*08/28/15 14:07*	*09/01/15 00:32*	*1*
13C-OCDD	*52*		*40 - 135*	*08/28/15 14:07*	*09/01/15 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	0.020		0.0000020	0.00000020	mg/Kg			09/03/15 15:47	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-191 (0-2')

Lab Sample ID: 680-115546-5

Date Collected: 08/12/15 09:40
Date Received: 08/12/15 17:10

Matrix: Solid
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	0.017	J	0.037	0.0081	mg/Kg	☼	08/13/15 12:43	08/14/15 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*50*		*24 - 130*	*08/13/15 12:43*	*08/14/15 16:45*	*1*
2-Fluorobiphenyl (Surr)	*47*		*11 - 130*	*08/13/15 12:43*	*08/14/15 16:45*	*1*
2-Fluorophenol (Surr)	*45*		*10 - 130*	*08/13/15 12:43*	*08/14/15 16:45*	*1*
Terphenyl-d14 (Surr)	*39*		*27 - 130*	*08/13/15 12:43*	*08/14/15 16:45*	*1*
Phenol-d5 (Surr)	*46*		*10 - 130*	*08/13/15 12:43*	*08/14/15 16:45*	*1*
Nitrobenzene-d5 (Surr)	*49*		*18 - 130*	*08/13/15 12:43*	*08/14/15 16:45*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: DUP-01 (0-2')

Lab Sample ID: 680-115546-6

Date Collected: 08/12/15 00:00
Date Received: 08/12/15 17:10

Matrix: Solid
Percent Solids: 84.2

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	0.021	J	0.039	0.0086	mg/Kg	☼	08/13/15 12:43	08/14/15 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*24 - 130*	*08/13/15 12:43*	*08/14/15 17:15*	*1*
2-Fluorobiphenyl (Surr)	*57*		*11 - 130*	*08/13/15 12:43*	*08/14/15 17:15*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 130*	*08/13/15 12:43*	*08/14/15 17:15*	*1*
Terphenyl-d14 (Surr)	*44*		*27 - 130*	*08/13/15 12:43*	*08/14/15 17:15*	*1*
Phenol-d5 (Surr)	*53*		*10 - 130*	*08/13/15 12:43*	*08/14/15 17:15*	*1*
Nitrobenzene-d5 (Surr)	*58*		*18 - 130*	*08/13/15 12:43*	*08/14/15 17:15*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-195 (0-2')

Date Collected: 08/12/15 13:10
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-7

Matrix: Solid
Percent Solids: 91.4

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	0.0079	U	0.036	0.0079	mg/Kg	☼	08/13/15 12:43	08/14/15 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*49*		*24 - 130*	*08/13/15 12:43*	*08/14/15 17:44*	*1*
2-Fluorobiphenyl (Surr)	*45*		*11 - 130*	*08/13/15 12:43*	*08/14/15 17:44*	*1*
2-Fluorophenol (Surr)	*44*		*10 - 130*	*08/13/15 12:43*	*08/14/15 17:44*	*1*
Terphenyl-d14 (Surr)	*38*		*27 - 130*	*08/13/15 12:43*	*08/14/15 17:44*	*1*
Phenol-d5 (Surr)	*46*		*10 - 130*	*08/13/15 12:43*	*08/14/15 17:44*	*1*
Nitrobenzene-d5 (Surr)	*47*		*18 - 130*	*08/13/15 12:43*	*08/14/15 17:44*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-196 (0-2')

Date Collected: 08/12/15 14:40
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-8

Matrix: Solid
Percent Solids: 90.5

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	0.030	J	0.036	0.0080	mg/Kg	☼	08/13/15 12:43	08/18/15 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*24 - 130*	*08/13/15 12:43*	*08/18/15 21:10*	*1*
2-Fluorobiphenyl (Surr)	*59*		*11 - 130*	*08/13/15 12:43*	*08/18/15 21:10*	*1*
2-Fluorophenol (Surr)	*56*		*10 - 130*	*08/13/15 12:43*	*08/18/15 21:10*	*1*
Terphenyl-d14 (Surr)	*239*	*X **	*27 - 130*	*08/13/15 12:43*	*08/18/15 21:10*	*1*
Phenol-d5 (Surr)	*57*		*10 - 130*	*08/13/15 12:43*	*08/18/15 21:10*	*1*
Nitrobenzene-d5 (Surr)	*60*		*18 - 130*	*08/13/15 12:43*	*08/18/15 21:10*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-197 (0-2')

Date Collected: 08/12/15 15:35
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-9

Matrix: Solid
Percent Solids: 91.9

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	0.0079	U	0.036	0.0079	mg/Kg	☼	08/13/15 12:43	08/18/15 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*55*		*24 - 130*	*08/13/15 12:43*	*08/18/15 21:40*	*1*
2-Fluorobiphenyl (Surr)	*52*		*11 - 130*	*08/13/15 12:43*	*08/18/15 21:40*	*1*
2-Fluorophenol (Surr)	*48*		*10 - 130*	*08/13/15 12:43*	*08/18/15 21:40*	*1*
Terphenyl-d14 (Surr)	*47*		*27 - 130*	*08/13/15 12:43*	*08/18/15 21:40*	*1*
Phenol-d5 (Surr)	*51*		*10 - 130*	*08/13/15 12:43*	*08/18/15 21:40*	*1*
Nitrobenzene-d5 (Surr)	*56*		*18 - 130*	*08/13/15 12:43*	*08/18/15 21:40*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-174 (0-2')

Lab Sample ID: 680-115546-10

Date Collected: 08/12/15 15:45
Date Received: 08/12/15 17:10

Matrix: Solid
Percent Solids: 89.4

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	0.0081	U	0.037	0.0081	mg/Kg	☼	08/13/15 12:43	08/14/15 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*46*		*24 - 130*	*08/13/15 12:43*	*08/14/15 19:12*	*1*
2-Fluorobiphenyl (Surr)	*45*		*11 - 130*	*08/13/15 12:43*	*08/14/15 19:12*	*1*
2-Fluorophenol (Surr)	*43*		*10 - 130*	*08/13/15 12:43*	*08/14/15 19:12*	*1*
Terphenyl-d14 (Surr)	*39*		*27 - 130*	*08/13/15 12:43*	*08/14/15 19:12*	*1*
Phenol-d5 (Surr)	*43*		*10 - 130*	*08/13/15 12:43*	*08/14/15 19:12*	*1*
Nitrobenzene-d5 (Surr)	*47*		*18 - 130*	*08/13/15 12:43*	*08/14/15 19:12*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-180 (0-2')

Date Collected: 08/12/15 16:10
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-11

Matrix: Solid
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	0.0084	J	0.038	0.0083	mg/Kg	☼	08/13/15 12:43	08/14/15 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*59*		*24 - 130*	*08/13/15 12:43*	*08/14/15 19:42*	*1*
2-Fluorobiphenyl (Surr)	*56*		*11 - 130*	*08/13/15 12:43*	*08/14/15 19:42*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 130*	*08/13/15 12:43*	*08/14/15 19:42*	*1*
Terphenyl-d14 (Surr)	*46*		*27 - 130*	*08/13/15 12:43*	*08/14/15 19:42*	*1*
Phenol-d5 (Surr)	*52*		*10 - 130*	*08/13/15 12:43*	*08/14/15 19:42*	*1*
Nitrobenzene-d5 (Surr)	*57*		*18 - 130*	*08/13/15 12:43*	*08/14/15 19:42*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-157 (0-2')

Date Collected: 08/11/15 12:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-12

Matrix: Solid
Percent Solids: 79.0

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	0.0091	U	0.042	0.0091	mg/Kg	☼	08/13/15 12:43	08/14/15 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*52*		*24 - 130*	*08/13/15 12:43*	*08/14/15 20:11*	*1*
2-Fluorobiphenyl (Surr)	*51*		*11 - 130*	*08/13/15 12:43*	*08/14/15 20:11*	*1*
2-Fluorophenol (Surr)	*46*		*10 - 130*	*08/13/15 12:43*	*08/14/15 20:11*	*1*
Terphenyl-d14 (Surr)	*49*		*27 - 130*	*08/13/15 12:43*	*08/14/15 20:11*	*1*
Phenol-d5 (Surr)	*49*		*10 - 130*	*08/13/15 12:43*	*08/14/15 20:11*	*1*
Nitrobenzene-d5 (Surr)	*53*		*18 - 130*	*08/13/15 12:43*	*08/14/15 20:11*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-157 (2-4')

Date Collected: 08/11/15 12:05
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-13

Matrix: Solid
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	0.0088	U	0.040	0.0088	mg/Kg	☼	08/13/15 12:43	08/14/15 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*24 - 130*	*08/13/15 12:43*	*08/14/15 20:39*	*1*
2-Fluorobiphenyl (Surr)	*53*		*11 - 130*	*08/13/15 12:43*	*08/14/15 20:39*	*1*
2-Fluorophenol (Surr)	*53*		*10 - 130*	*08/13/15 12:43*	*08/14/15 20:39*	*1*
Terphenyl-d14 (Surr)	*47*	*	*27 - 130*	*08/13/15 12:43*	*08/14/15 20:39*	*1*
Phenol-d5 (Surr)	*56*		*10 - 130*	*08/13/15 12:43*	*08/14/15 20:39*	*1*
Nitrobenzene-d5 (Surr)	*59*		*18 - 130*	*08/13/15 12:43*	*08/14/15 20:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-198 (0-2')

Date Collected: 08/11/15 15:20
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-14

Matrix: Solid
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	4.1		0.40	0.088	mg/Kg	☼	08/13/15 12:43	08/18/15 22:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*08/13/15 12:43*	*08/18/15 22:09*	*10*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*08/13/15 12:43*	*08/18/15 22:09*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*08/13/15 12:43*	*08/18/15 22:09*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*08/13/15 12:43*	*08/18/15 22:09*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*08/13/15 12:43*	*08/18/15 22:09*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*08/13/15 12:43*	*08/18/15 22:09*	*10*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-166 (0-2')

Date Collected: 08/11/15 14:25
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-15

Matrix: Solid
Percent Solids: 80.0

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	0.090	U	0.41	0.090	mg/Kg	☼	08/13/15 12:43	08/14/15 21:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*08/13/15 12:43*	*08/14/15 21:37*	*10*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*08/13/15 12:43*	*08/14/15 21:37*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*08/13/15 12:43*	*08/14/15 21:37*	*10*
Terphenyl-d14 (Surr)	*0*	** D*	*27 - 130*	*08/13/15 12:43*	*08/14/15 21:37*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*08/13/15 12:43*	*08/14/15 21:37*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*08/13/15 12:43*	*08/14/15 21:37*	*10*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-165 (0-2')

Date Collected: 08/11/15 14:45
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-16

Matrix: Solid
Percent Solids: 81.1

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	250		40	8.8	mg/Kg	☼	08/13/15 12:43	08/19/15 21:33	1000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*08/13/15 12:43*	*08/19/15 21:33*	*1000*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*08/13/15 12:43*	*08/19/15 21:33*	*1000*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*08/13/15 12:43*	*08/19/15 21:33*	*1000*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*08/13/15 12:43*	*08/19/15 21:33*	*1000*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*08/13/15 12:43*	*08/19/15 21:33*	*1000*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*08/13/15 12:43*	*08/19/15 21:33*	*1000*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-164 (0-2')

Date Collected: 08/11/15 16:40
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-17

Matrix: Solid
Percent Solids: 75.3

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	0.0095	U	0.044	0.0095	mg/Kg	☼	08/13/15 12:43	08/14/15 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*58*		*24 - 130*	*08/13/15 12:43*	*08/14/15 22:35*	*1*
2-Fluorobiphenyl (Surr)	*53*		*11 - 130*	*08/13/15 12:43*	*08/14/15 22:35*	*1*
2-Fluorophenol (Surr)	*47*		*10 - 130*	*08/13/15 12:43*	*08/14/15 22:35*	*1*
Terphenyl-d14 (Surr)	*48*		*27 - 130*	*08/13/15 12:43*	*08/14/15 22:35*	*1*
Phenol-d5 (Surr)	*52*		*10 - 130*	*08/13/15 12:43*	*08/14/15 22:35*	*1*
Nitrobenzene-d5 (Surr)	*54*		*18 - 130*	*08/13/15 12:43*	*08/14/15 22:35*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-190 (0-2')

Date Collected: 08/12/15 09:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-18

Matrix: Solid
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	0.94		0.19	0.040	mg/Kg	☼	08/13/15 12:43	08/18/15 23:38	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*24 - 130*	*08/13/15 12:43*	*08/18/15 23:38*	*5*
2-Fluorobiphenyl (Surr)	*77*		*11 - 130*	*08/13/15 12:43*	*08/18/15 23:38*	*5*
2-Fluorophenol (Surr)	*72*		*10 - 130*	*08/13/15 12:43*	*08/18/15 23:38*	*5*
Terphenyl-d14 (Surr)	*69*		*27 - 130*	*08/13/15 12:43*	*08/18/15 23:38*	*5*
Phenol-d5 (Surr)	*72*		*10 - 130*	*08/13/15 12:43*	*08/18/15 23:38*	*5*
Nitrobenzene-d5 (Surr)	*73*		*18 - 130*	*08/13/15 12:43*	*08/18/15 23:38*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-189 (0-2')

Date Collected: 08/12/15 10:05
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-19

Matrix: Solid
Percent Solids: 83.4

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	9.3		0.78	0.17	mg/Kg	☼	08/13/15 12:43	08/19/15 22:01	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*08/13/15 12:43*	*08/19/15 22:01*	*20*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*08/13/15 12:43*	*08/19/15 22:01*	*20*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*08/13/15 12:43*	*08/19/15 22:01*	*20*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*08/13/15 12:43*	*08/19/15 22:01*	*20*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*08/13/15 12:43*	*08/19/15 22:01*	*20*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*08/13/15 12:43*	*08/19/15 22:01*	*20*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-168 (0-2')

Date Collected: 08/12/15 10:45
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-20

Matrix: Solid
Percent Solids: 73.7

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	1.1		0.22	0.049	mg/Kg	☼	08/13/15 12:43	08/19/15 00:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*68*		*24 - 130*	*08/13/15 12:43*	*08/19/15 00:37*	*5*
2-Fluorobiphenyl (Surr)	*68*		*11 - 130*	*08/13/15 12:43*	*08/19/15 00:37*	*5*
2-Fluorophenol (Surr)	*62*		*10 - 130*	*08/13/15 12:43*	*08/19/15 00:37*	*5*
Terphenyl-d14 (Surr)	*64*		*27 - 130*	*08/13/15 12:43*	*08/19/15 00:37*	*5*
Phenol-d5 (Surr)	*63*		*10 - 130*	*08/13/15 12:43*	*08/19/15 00:37*	*5*
Nitrobenzene-d5 (Surr)	*66*		*18 - 130*	*08/13/15 12:43*	*08/19/15 00:37*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-192 (0-2')

Date Collected: 08/12/15 12:30
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-21

Matrix: Solid
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	0.050		0.038	0.0084	mg/Kg	☼	08/13/15 11:38	08/20/15 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*24 - 130*	*08/13/15 11:38*	*08/20/15 00:47*	*1*
2-Fluorobiphenyl (Surr)	*55*		*11 - 130*	*08/13/15 11:38*	*08/20/15 00:47*	*1*
2-Fluorophenol (Surr)	*56*		*10 - 130*	*08/13/15 11:38*	*08/20/15 00:47*	*1*
Terphenyl-d14 (Surr)	*39*	*	*27 - 130*	*08/13/15 11:38*	*08/20/15 00:47*	*1*
Phenol-d5 (Surr)	*55*		*10 - 130*	*08/13/15 11:38*	*08/20/15 00:47*	*1*
Nitrobenzene-d5 (Surr)	*54*		*18 - 130*	*08/13/15 11:38*	*08/20/15 00:47*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-167 (0-2')

Date Collected: 08/12/15 13:10
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-22

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	0.0084	U	0.039	0.0084	mg/Kg	☼	08/13/15 11:38	08/20/15 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*42*		*24 - 130*	*08/13/15 11:38*	*08/20/15 01:15*	*1*
2-Fluorobiphenyl (Surr)	*36*		*11 - 130*	*08/13/15 11:38*	*08/20/15 01:15*	*1*
2-Fluorophenol (Surr)	*38*		*10 - 130*	*08/13/15 11:38*	*08/20/15 01:15*	*1*
Terphenyl-d14 (Surr)	*34*		*27 - 130*	*08/13/15 11:38*	*08/20/15 01:15*	*1*
Phenol-d5 (Surr)	*37*		*10 - 130*	*08/13/15 11:38*	*08/20/15 01:15*	*1*
Nitrobenzene-d5 (Surr)	*36*		*18 - 130*	*08/13/15 11:38*	*08/20/15 01:15*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-187 (0-2')

Date Collected: 08/12/15 15:15
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-23

Matrix: Solid
Percent Solids: 90.8

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	0.0079	U	0.036	0.0079	mg/Kg	☼	08/13/15 11:38	08/20/15 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*24 - 130*	*08/13/15 11:38*	*08/20/15 01:43*	*1*
2-Fluorobiphenyl (Surr)	*55*		*11 - 130*	*08/13/15 11:38*	*08/20/15 01:43*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 130*	*08/13/15 11:38*	*08/20/15 01:43*	*1*
Terphenyl-d14 (Surr)	*29*	*	*27 - 130*	*08/13/15 11:38*	*08/20/15 01:43*	*1*
Phenol-d5 (Surr)	*54*		*10 - 130*	*08/13/15 11:38*	*08/20/15 01:43*	*1*
Nitrobenzene-d5 (Surr)	*54*		*18 - 130*	*08/13/15 11:38*	*08/20/15 01:43*	*1*

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-159 (0-2')

Lab Sample ID: 680-115546-1

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = ½ NONE TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000036	TEQ
Total PCB TEQ					mg/Kg		0.0000049	TEQ
Total TEQ					mg/Kg		0.0000085	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
PCB-77	**0.00023**	**G**	0.0000084	0.0000084	mg/Kg	0.0001	**0.000000023**	1668C
PCB-81	0.0000084	U G	0.0000084	0.0000084	mg/Kg	0.0003	0.000000001	1668C
PCB-105	**0.0022**	**G**	0.000064	0.000064	mg/Kg	0.00003	**0.000000066**	1668C
PCB-114	**0.00011**	**G**	0.000065	0.000065	mg/Kg	0.00003	**0.000000003**	1668C
PCB-118	**0.0053**	**E B G**	0.000059	0.000059	mg/Kg	0.00003	**0.00000016**	1668C
PCB-123	**0.00014**	**G**	0.000061	0.000061	mg/Kg	0.00003	**0.000000004**	1668C
PCB-126	0.000085	U G	0.000085	0.000085	mg/Kg	0.1	0.0000043	1668C
PCB-156/157	**0.0022**	**G**	0.000019	0.000019	mg/Kg	0.00003	**0.000000066**	1668C
PCB-167	**0.0011**	**G**	0.000012	0.000012	mg/Kg	0.00003	**0.000000033**	1668C
PCB-169	0.000018	U G	0.000018	0.000018	mg/Kg	0.03	0.00000027	1668C
PCB-189	**0.00014**		0.0000023	0.0000011	mg/Kg	0.00003	**0.000000004**	1668C
2,3,7,8-TCDD	0.000000067	U	0.0000012	0.000000067	mg/Kg	1	0.00000060	8290A
2,3,7,8-TCDF	**0.00000087**	**J**	0.0000012	0.00000011	mg/Kg	0.1	**0.000000087**	8290A
1,2,3,7,8-PeCDD	**0.00000040**	**J**	0.0000058	0.00000015	mg/Kg	1	**0.00000040**	8290A
1,2,3,7,8-PeCDF	0.00000015	U	0.0000058	0.00000015	mg/Kg	0.03	0.000000087	8290A
2,3,4,7,8-PeCDF	**0.00000048**	**J**	0.0000058	0.00000016	mg/Kg	0.3	**0.00000014**	8290A
1,2,3,4,7,8-HxCDD	**0.00000052**	**J q**	0.0000058	0.00000012	mg/Kg	0.1	**0.000000052**	8290A
1,2,3,6,7,8-HxCDD	**0.0000019**	**J**	0.0000058	0.00000010	mg/Kg	0.1	**0.00000019**	8290A
1,2,3,7,8,9-HxCDD	**0.0000018**	**J**	0.0000058	0.0000000095	mg/Kg	0.1	**0.00000018**	8290A
1,2,3,4,7,8-HxCDF	**0.0000012**	**J**	0.0000058	0.00000017	mg/Kg	0.1	**0.00000012**	8290A
1,2,3,6,7,8-HxCDF	**0.00000081**	**J**	0.0000058	0.00000015	mg/Kg	0.1	**0.000000081**	8290A
1,2,3,7,8,9-HxCDF	0.00000018	U	0.0000058	0.00000018	mg/Kg	0.1	0.00000029	8290A
2,3,4,6,7,8-HxCDF	**0.00000057**	**J**	0.0000058	0.00000017	mg/Kg	0.1	**0.000000057**	8290A
1,2,3,4,6,7,8-HpCDD	**0.000071**		0.0000058	0.0000034	mg/Kg	0.01	**0.00000071**	8290A
1,2,3,4,6,7,8-HpCDF	**0.000014**	**B**	0.0000058	0.00000040	mg/Kg	0.01	**0.00000014**	8290A
1,2,3,4,7,8,9-HpCDF	0.00000048	U	0.0000058	0.00000048	mg/Kg	0.01	0.000000029	8290A
OCDD	**0.0013**	**B**	0.000012	0.0000075	mg/Kg	0.0003	**0.00000039**	8290A

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-159 (0-2') (Continued) — Lab Sample ID: 680-115546-1

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
OCDF	0.000048		0.000012	0.00000030	mg/Kg	0.0003	0.000000014	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
Polychlorinated biphenyls, Total	0.14		0.0000020	0.00000020	mg/Kg		0.0000049	None

Client Sample ID: SB-159 (2-4') — Lab Sample ID: 680-115546-2

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = ½ NONE TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000068	TEQ
Total PCB TEQ					mg/Kg		0.0000025	TEQ
Total TEQ					mg/Kg		0.0000093	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
PCB-77	0.000058		0.0000024	0.0000013	mg/Kg	0.0001	0.000000006	1668C
PCB-81	0.0000024		0.0000024	0.0000013	mg/Kg	0.0003	0.000000001	1668C
PCB-105	0.00025	G	0.0000084	0.0000084	mg/Kg	0.00003	0.000000008	1668C
PCB-114	0.000012	G	0.0000081	0.0000081	mg/Kg	0.00003	0	1668C
PCB-118	0.00060	G B	0.0000076	0.0000076	mg/Kg	0.00003	0.000000018	1668C
PCB-123	0.000016	G	0.0000080	0.0000080	mg/Kg	0.00003	0	1668C
PCB-126	0.000024	G	0.000010	0.000010	mg/Kg	0.1	0.0000024	1668C
PCB-156/157	0.00018		0.0000048	0.0000022	mg/Kg	0.00003	0.000000005	1668C
PCB-167	0.000075		0.0000024	0.0000015	mg/Kg	0.00003	0.000000002	1668C
PCB-169	0.0000022	U	0.0000024	0.0000022	mg/Kg	0.03	0.000000036	1668C
PCB-189	0.0000091		0.0000024	0.00000046	mg/Kg	0.00003	0	1668C
2,3,7,8-TCDD	0.000000053	U	0.0000012	0.00000053	mg/Kg	1	0.00000060	8290A
2,3,7,8-TCDF	0.000000048	U	0.0000012	0.00000048	mg/Kg	0.1	0.000000060	8290A
1,2,3,7,8-PeCDD	0.000000090	U	0.0000059	0.00000090	mg/Kg	1	0.0000030	8290A
1,2,3,7,8-PeCDF	0.000000053	U	0.0000059	0.00000053	mg/Kg	0.03	0.000000089	8290A
2,3,4,7,8-PeCDF	0.000000055	U	0.0000059	0.00000055	mg/Kg	0.3	0.00000089	8290A
1,2,3,4,7,8-HxCDD	0.00000020	J q	0.0000059	0.00000011	mg/Kg	0.1	0.000000020	8290A
1,2,3,6,7,8-HxCDD	0.00000029	J q	0.0000059	0.00000091	mg/Kg	0.1	0.000000029	8290A
1,2,3,7,8,9-HxCDD	0.00000058	J q	0.0000059	0.00000086	mg/Kg	0.1	0.000000058	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-159 (2-4') (Continued) — Lab Sample ID: 680-115546-2

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
1,2,3,4,7,8-HxCDF	0.000000068	U	0.0000059	0.0000000 68	mg/Kg	0.1	0.00000030	8290A
1,2,3,6,7,8-HxCDF	0.000000060	U	0.0000059	0.0000000 60	mg/Kg	0.1	0.00000030	8290A
1,2,3,7,8,9-HxCDF	0.000000071	U	0.0000059	0.0000000 71	mg/Kg	0.1	0.00000030	8290A
2,3,4,6,7,8-HxCDF	0.000000066	U	0.0000059	0.0000000 66	mg/Kg	0.1	0.00000030	8290A
1,2,3,4,6,7,8-HpCDD	**0.000016**		0.0000059	0.0000006 0	mg/Kg	0.01	**0.00000016**	8290A
1,2,3,4,6,7,8-HpCDF	**0.00000078**	**J B**	0.0000059	0.0000000 50	mg/Kg	0.01	**0.000000008**	8290A
1,2,3,4,7,8,9-HpCDF	0.000000060	U	0.0000059	0.0000000 60	mg/Kg	0.01	0.000000030	8290A
OCDD	**0.0022**	**B G**	0.000013	0.000013	mg/Kg	0.0003	**0.00000066**	8290A
OCDF	**0.0000039**	**J**	0.000012	0.0000001 2	mg/Kg	0.0003	**0.000000001**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
Polychlorinated biphenyls, Total	0.011		0.0000020	0.0000002 0	mg/Kg		0.0000025	None

Client Sample ID: SB-160 (0-2') — Lab Sample ID: 680-115546-3

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = ½ NONE TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000068	TEQ
Total PCB TEQ					mg/Kg		0.000032	TEQ
Total TEQ					mg/Kg		0.000039	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
PCB-77	**0.00073**	**G**	0.000017	0.000017	mg/Kg	0.0001	**0.000000073**	1668C
PCB-81	**0.000062**	**G**	0.000017	0.000017	mg/Kg	0.0003	**0.000000019**	1668C
PCB-105	**0.0050**	**E G**	0.00015	0.00015	mg/Kg	0.00003	**0.00000015**	1668C
PCB-114	**0.00024**	**G**	0.00015	0.00015	mg/Kg	0.00003	**0.000000007**	1668C
PCB-118	**0.013**	**E B G**	0.00015	0.00015	mg/Kg	0.00003	**0.00000039**	1668C
PCB-123	**0.00023**	**G**	0.00015	0.00015	mg/Kg	0.00003	**0.000000007**	1668C
PCB-126	**0.00031**	**G**	0.00017	0.00017	mg/Kg	0.1	**0.000031**	1668C
PCB-156/157	**0.0032**	**G**	0.000018	0.000018	mg/Kg	0.00003	**0.000000096**	1668C
PCB-167	**0.0015**	**G**	0.000012	0.000012	mg/Kg	0.00003	**0.000000045**	1668C
PCB-169	0.000016	U G	0.000016	0.000016	mg/Kg	0.03	0.00000024	1668C
PCB-189	**0.00016**		0.0000024	0.0000008 9	mg/Kg	0.00003	**0.000000005**	1668C

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-160 (0-2') (Continued) — Lab Sample ID: 680-115546-3

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
2,3,7,8-TCDD	**0.00000015**	**J q**	0.0000012	0.000000058	mg/Kg	1	**0.00000015**	8290A
2,3,7,8-TCDF	**0.0000011**	**J**	0.0000012	0.000000066	mg/Kg	0.1	**0.00000011**	8290A
1,2,3,7,8-PeCDD	0.00000017	U	0.0000058	0.00000017	mg/Kg	1	0.0000029	8290A
1,2,3,7,8-PeCDF	**0.00000021**	**J q**	0.0000058	0.00000011	mg/Kg	0.03	**).000000006**	8290A
2,3,4,7,8-PeCDF	**0.00000039**	**J**	0.0000058	0.00000011	mg/Kg	0.3	**0.00000012**	8290A
1,2,3,4,7,8-HxCDD	**0.00000072**	**J**	0.0000058	0.00000012	mg/Kg	0.1	**).000000072**	8290A
1,2,3,6,7,8-HxCDD	**0.0000016**	**J**	0.0000058	0.00000011	mg/Kg	0.1	**0.00000016**	8290A
1,2,3,7,8,9-HxCDD	**0.0000018**	**J**	0.0000058	0.00000010	mg/Kg	0.1	**0.00000018**	8290A
1,2,3,4,7,8-HxCDF	**0.0000012**	**J**	0.0000058	0.00000013	mg/Kg	0.1	**0.00000012**	8290A
1,2,3,6,7,8-HxCDF	**0.00000059**	**J**	0.0000058	0.00000012	mg/Kg	0.1	**).000000059**	8290A
1,2,3,7,8,9-HxCDF	0.00000014	U	0.0000058	0.00000014	mg/Kg	0.1	0.00000029	8290A
2,3,4,6,7,8-HxCDF	**0.00000034**	**J q**	0.0000058	0.00000013	mg/Kg	0.1	**).000000034**	8290A
1,2,3,4,6,7,8-HpCDD	**0.000061**		0.0000058	0.0000017	mg/Kg	0.01	**0.00000061**	8290A
1,2,3,4,6,7,8-HpCDF	**0.000010**	**B**	0.0000058	0.00000028	mg/Kg	0.01	**0.00000010**	8290A
1,2,3,4,7,8,9-HpCDF	0.00000034	U	0.0000058	0.00000034	mg/Kg	0.01	0.000000029	8290A
OCDD	**0.0060**	**E B G**	0.000030	0.000030	mg/Kg	0.0003	**0.0000018**	8290A
OCDF	**0.000041**		0.000012	0.00000023	mg/Kg	0.0003	**).000000012**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
Polychlorinated biphenyls, Total	0.25		0.0000020	0.00000020	mg/Kg		0.000032	None

Client Sample ID: SB-160 (2-4') — Lab Sample ID: 680-115546-4

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = ½ NONE TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000011	TEQ
Total PCB TEQ					mg/Kg		0.0000029	TEQ
Total TEQ					mg/Kg		0.000014	TEQ

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-160 (2-4') (Continued) — Lab Sample ID: 680-115546-4

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	WHO 2005 ND = ½ RL TEQ	Method
PCB-77	**0.000052**		0.0000028	0.0000017	mg/Kg	0.0001	**0.000000005**	1668C
PCB-81	**0.0000042**		0.0000028	0.0000017	mg/Kg	0.0003	**0.000000001**	1668C
PCB-105	**0.00044**	**G**	0.000013	0.000013	mg/Kg	0.00003	**0.000000013**	1668C
PCB-114	**0.000024**	**G**	0.000013	0.000013	mg/Kg	0.00003	**0.000000001**	1668C
PCB-118	**0.0011**	**B G**	0.000012	0.000012	mg/Kg	0.00003	**0.000000033**	1668C
PCB-123	**0.000022**	**G**	0.000013	0.000013	mg/Kg	0.00003	**0.000000001**	1668C
PCB-126	**0.000028**	**G**	0.000016	0.000016	mg/Kg	0.1	**0.0000028**	1668C
PCB-156/157	**0.00032**		0.0000055	0.0000035	mg/Kg	0.00003	**0.000000010**	1668C
PCB-167	**0.00013**		0.0000028	0.0000023	mg/Kg	0.00003	**0.000000004**	1668C
PCB-169	0.0000033	U G	0.0000033	0.0000033	mg/Kg	0.03	0.000000050	1668C
PCB-189	**0.000017**		0.0000028	0.00000035	mg/Kg	0.00003	**0.000000001**	1668C
2,3,7,8-TCDD	0.000000084	U	0.0000014	0.000000084	mg/Kg	1	0.00000070	8290A
2,3,7,8-TCDF	**0.00000016**	**J**	0.0000014	0.000000067	mg/Kg	0.1	**0.000000016**	8290A
1,2,3,7,8-PeCDD	**0.00000066**	**J**	0.0000070	0.00000014	mg/Kg	1	**0.00000066**	8290A
1,2,3,7,8-PeCDF	0.000000067	U	0.0000070	0.000000067	mg/Kg	0.03	0.00000011	8290A
2,3,4,7,8-PeCDF	0.000000070	U	0.0000070	0.000000070	mg/Kg	0.3	0.0000011	8290A
1,2,3,4,7,8-HxCDD	**0.00000068**	**J q**	0.0000070	0.00000020	mg/Kg	0.1	**0.000000068**	8290A
1,2,3,6,7,8-HxCDD	**0.0000013**	**J**	0.0000070	0.00000017	mg/Kg	0.1	**0.00000013**	8290A
1,2,3,7,8,9-HxCDD	**0.0000032**	**J**	0.0000070	0.00000016	mg/Kg	0.1	**0.00000032**	8290A
1,2,3,4,7,8-HxCDF	0.00000011	U	0.0000070	0.00000011	mg/Kg	0.1	0.00000035	8290A
1,2,3,6,7,8-HxCDF	0.000000094	U	0.0000070	0.000000094	mg/Kg	0.1	0.00000035	8290A
1,2,3,7,8,9-HxCDF	0.00000011	U	0.0000070	0.00000011	mg/Kg	0.1	0.00000035	8290A
2,3,4,6,7,8-HxCDF	0.00000010	U	0.0000070	0.00000010	mg/Kg	0.1	0.00000035	8290A
1,2,3,4,6,7,8-HpCDD	**0.000078**		0.0000070	0.0000024	mg/Kg	0.01	**0.00000078**	8290A
1,2,3,4,6,7,8-HpCDF	**0.0000020**	**J B**	0.0000070	0.00000085	mg/Kg	0.01	**0.000000020**	8290A
1,2,3,4,7,8,9-HpCDF	0.00000010	U	0.0000070	0.00000010	mg/Kg	0.01	0.000000035	8290A
OCDD	**0.018**	**E B G**	0.000074	0.000074	mg/Kg	0.0003	**0.0000054**	8290A
OCDF	**0.0000072**	**J**	0.000014	0.00000014	mg/Kg	0.0003	**0.000000002**	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-160 (2-4') (Continued) — Lab Sample ID: 680-115546-4

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = ½ RL TEF	WHO 2005 ND = ½ RL TEQ	Method
Polychlorinated biphenyls, Total	0.020		0.0000020	0.00000020	mg/Kg		0.0000029	None

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

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)
680-115546-1	SB-159 (0-2')	52	59	61	70	71	73	61	77
680-115546-2	SB-159 (2-4')	49	55	57	61	73	70	49	76
680-115546-3	SB-160 (0-2')	51	65	51	79	30	111	46	106
680-115546-4	SB-160 (2-4')	53	61	62	66	73	73	54	81
MB 320-82923/1-A	Method Blank	46	45	43	27	34	16	22	15

		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)
680-115546-1	SB-159 (0-2')	78	68	78	76	77	77	75	91
680-115546-2	SB-159 (2-4')	75	58	84	83	83	81	92	65
680-115546-3	SB-160 (0-2')	106	55	97	94	92	93	112	63
680-115546-4	SB-160 (2-4')	80	53	84	81	81	80	95	58
MB 320-82923/1-A	Method Blank	15	19	16	16	17	17	15	16

		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)
680-115546-1	SB-159 (0-2')	89	90	88	76	83	76	80	70
680-115546-2	SB-159 (2-4')	87	84	89	72	81	81	85	83
680-115546-3	SB-160 (0-2')	104	101	110	52	82	65	82	78
680-115546-4	SB-160 (2-4')	84	82	89	62	79	75	85	90
MB 320-82923/1-A	Method Blank	17	16	16	15	16	17	19	21

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PCB-208L (10-145)	PCB-209L (10-145)
680-115546-1	SB-159 (0-2')	76	61
680-115546-2	SB-159 (2-4')	86	72
680-115546-3	SB-160 (0-2')	77	68
680-115546-4	SB-160 (2-4')	82	82
MB 320-82923/1-A	Method Blank	18	20

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)							
		PCB-1L	PCB-3L	PCB-4L	PCB-15L	PCB-19L	PCB-37L	PCB-54L	PCB-77L
Lab Sample ID	Client Sample ID	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(15-145)	(40-145)
LCS 320-82923/2-A	Lab Control Sample	42	46	48	49	51	44	45	51

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB-81L	PCB-104L	PCB-105L	PCB-114L	PCB-118L	PCB-123L	PCB-126L	PCB-155L
Lab Sample ID	Client Sample ID	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-82923/2-A	Lab Control Sample	51	48	62	62	63	61	68	50

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		B-156L/15	PCB-167L	PCB-169L	PCB-188L	PCB-189L	PCB-202L	PCB-205L	PCB-206L
Lab Sample ID	Client Sample ID	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)	(40-145)
LCS 320-82923/2-A	Lab Control Sample	65	64	66	62	70	77	79	87

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PCB-208L	PCB-209L						
Lab Sample ID	Client Sample ID	(40-145)	(40-145)						
LCS 320-82923/2-A	Lab Control Sample	82	79						

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	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	HxCDD2 (40-135)	HxCDF1 (40-135)	HpCDD (40-135)	HpCDF1 (40-135)
680-115546-1	SB-159 (0-2')	65	67	64	68	69	68	64	66
680-115546-2	SB-159 (2-4')	61	64	58	61	64	56	57	53
680-115546-3	SB-160 (0-2')	59	63	59	63	64	62	60	62
680-115546-4	SB-160 (2-4')	62	64	55	60	60	57	57	53
LCS 320-84481/2-A	Lab Control Sample	54	55	55	58	57	54	58	60
MB 320-84481/1-A	Method Blank	61	63	61	63	61	58	62	63

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDD (40-135)
680-115546-1	SB-159 (0-2')	55
680-115546-2	SB-159 (2-4')	43
680-115546-3	SB-160 (0-2')	56
680-115546-4	SB-160 (2-4')	52
LCS 320-84481/2-A	Lab Control Sample	50
MB 320-84481/1-A	Method Blank	51

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF1 = 13C-1,2,3,7,8-PeCDF
HxCDD2 = 13C-1,2,3,6,7,8-HxCDD
HxCDF1 = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-395907/21-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396051 — **Prep Batch: 395907**

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		08/13/15 12:43	08/14/15 12:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*24 - 130*	*08/13/15 12:43*	*08/14/15 12:51*	*1*
2-Fluorobiphenyl (Surr)	*45*		*11 - 130*	*08/13/15 12:43*	*08/14/15 12:51*	*1*
2-Fluorophenol (Surr)	*44*		*10 - 130*	*08/13/15 12:43*	*08/14/15 12:51*	*1*
Terphenyl-d14 (Surr)	*42*		*27 - 130*	*08/13/15 12:43*	*08/14/15 12:51*	*1*
Phenol-d5 (Surr)	*47*		*10 - 130*	*08/13/15 12:43*	*08/14/15 12:51*	*1*
Nitrobenzene-d5 (Surr)	*47*		*18 - 130*	*08/13/15 12:43*	*08/14/15 12:51*	*1*

Lab Sample ID: LCS 680-395907/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396051 — **Prep Batch: 395907**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1'-Biphenyl			0.332	0.177		mg/Kg		53	10 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*61*		*24 - 130*
2-Fluorobiphenyl (Surr)	*54*		*11 - 130*
2-Fluorophenol (Surr)	*58*		*10 - 130*
Terphenyl-d14 (Surr)	*54*		*27 - 130*
Phenol-d5 (Surr)	*59*		*10 - 130*
Nitrobenzene-d5 (Surr)	*60*		*18 - 130*

Lab Sample ID: 680-115546-9 MS — **Client Sample ID: SB-197 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396779 — **Prep Batch: 395907**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1'-Biphenyl	0.0079	U	0.363	0.190		mg/Kg	☼	53	10 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*53*		*24 - 130*
2-Fluorobiphenyl (Surr)	*50*		*11 - 130*
2-Fluorophenol (Surr)	*51*		*10 - 130*
Terphenyl-d14 (Surr)	*51*		*27 - 130*
Phenol-d5 (Surr)	*54*		*10 - 130*
Nitrobenzene-d5 (Surr)	*55*		*18 - 130*

Lab Sample ID: 680-115546-9 MSD — **Client Sample ID: SB-197 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396779 — **Prep Batch: 395907**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.0079	U	0.365	0.165		mg/Kg	☼	45	10 - 130	14	50

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-115546-9 MSD — **Client Sample ID: SB-197 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396779 — **Prep Batch: 395907**

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*45*		*24 - 130*
2-Fluorobiphenyl (Surr)	*44*		*11 - 130*
2-Fluorophenol (Surr)	*44*		*10 - 130*
Terphenyl-d14 (Surr)	*44*		*27 - 130*
Phenol-d5 (Surr)	*49*		*10 - 130*
Nitrobenzene-d5 (Surr)	*47*		*18 - 130*

Lab Sample ID: MB 680-395908/12-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396960 — **Prep Batch: 395908**

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		08/13/15 11:38	08/19/15 22:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*44*		*24 - 130*	*08/13/15 11:38*	*08/19/15 22:29*	*1*
2-Fluorobiphenyl (Surr)	*51*		*11 - 130*	*08/13/15 11:38*	*08/19/15 22:29*	*1*
2-Fluorophenol (Surr)	*50*		*10 - 130*	*08/13/15 11:38*	*08/19/15 22:29*	*1*
Terphenyl-d14 (Surr)	*51*		*27 - 130*	*08/13/15 11:38*	*08/19/15 22:29*	*1*
Phenol-d5 (Surr)	*51*		*10 - 130*	*08/13/15 11:38*	*08/19/15 22:29*	*1*
Nitrobenzene-d5 (Surr)	*51*		*18 - 130*	*08/13/15 11:38*	*08/19/15 22:29*	*1*

Lab Sample ID: LCS 680-395908/13-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396960 — **Prep Batch: 395908**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1'-Biphenyl			0.333	0.132		mg/Kg		40	10 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*45*		*24 - 130*
2-Fluorobiphenyl (Surr)	*41*		*11 - 130*
2-Fluorophenol (Surr)	*44*		*10 - 130*
Terphenyl-d14 (Surr)	*40*		*27 - 130*
Phenol-d5 (Surr)	*43*		*10 - 130*
Nitrobenzene-d5 (Surr)	*43*		*18 - 130*

Lab Sample ID: LCSD 680-395908/16-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396960 — **Prep Batch: 395908**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			0.334	0.160		mg/Kg		48	10 - 130	19	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*54*		*24 - 130*
2-Fluorobiphenyl (Surr)	*48*		*11 - 130*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: LCSD 680-395908/16-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396960 — **Prep Batch: 395908**

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorophenol (Surr)	51		10 - 130
Terphenyl-d14 (Surr)	47		27 - 130
Phenol-d5 (Surr)	50		10 - 130
Nitrobenzene-d5 (Surr)	49		18 - 130

Lab Sample ID: 680-115546-23 MS — **Client Sample ID: SB-187 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396960 — **Prep Batch: 395908**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1'-Biphenyl	0.0079	U	0.368	0.197		mg/Kg	☼	54	10 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	61		24 - 130
2-Fluorobiphenyl (Surr)	54		11 - 130
2-Fluorophenol (Surr)	55		10 - 130
Terphenyl-d14 (Surr)	26	* X	27 - 130
Phenol-d5 (Surr)	54		10 - 130
Nitrobenzene-d5 (Surr)	54		18 - 130

Lab Sample ID: 680-115546-23 MSD — **Client Sample ID: SB-187 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396960 — **Prep Batch: 395908**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.0079	U	0.366	0.182		mg/Kg	☼	50	10 - 130	8	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	55		24 - 130
2-Fluorobiphenyl (Surr)	50		11 - 130
2-Fluorophenol (Surr)	49		10 - 130
Terphenyl-d14 (Surr)	28	*	27 - 130
Phenol-d5 (Surr)	48		10 - 130
Nitrobenzene-d5 (Surr)	48		18 - 130

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-395863/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396062 — **Prep Batch: 395863**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.010	U	0.033	0.010	mg/Kg		08/13/15 11:38	08/13/15 21:17	1
PCB-1260	0.0096	U	0.033	0.0096	mg/Kg		08/13/15 11:38	08/13/15 21:17	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: MB 680-395863/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396062 — **Prep Batch: 395863**

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*54 - 133*	*08/13/15 11:38*	*08/13/15 21:17*	*1*
Tetrachloro-m-xylene	*74*		*46 - 130*	*08/13/15 11:38*	*08/13/15 21:17*	*1*

Lab Sample ID: LCS 680-395863/6-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396062 — **Prep Batch: 395863**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	0.649	0.494		mg/Kg		76	45 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*73*		*54 - 133*
Tetrachloro-m-xylene	*62*		*46 - 130*

Lab Sample ID: 680-115546-1 MS — **Client Sample ID: SB-159 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396062 — **Prep Batch: 395863**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	0.017	J p	0.766	0.463		mg/Kg	☼	58	45 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*54 - 133*
Tetrachloro-m-xylene	*65*		*46 - 130*

Lab Sample ID: 680-115546-1 MSD — **Client Sample ID: SB-159 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396062 — **Prep Batch: 395863**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	0.017	J p	0.773	0.493		mg/Kg	☼	62	45 - 130	6	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*66*		*54 - 133*
Tetrachloro-m-xylene	*62*		*46 - 130*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-82923/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 83445 — **Prep Batch: 82923**

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00000030	U	0.000020	0.00000030	mg/Kg		08/14/15 18:28	08/20/15 13:55	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-82923/1-A
Matrix: Solid
Analysis Batch: 83445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82923

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-2	0.00000037	U	0.000020	0.00000037	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-3	0.00000043	U	0.000020	0.00000043	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-4	0.000018	U	0.000020	0.000018	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-5	0.000013	U	0.000020	0.000013	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-6	0.000012	U	0.000020	0.000012	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-7	0.000012	U	0.000020	0.000012	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-8	0.000011	U	0.000020	0.000011	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-9	0.000014	U	0.000020	0.000014	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-10	0.000018	U	0.000020	0.000018	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-11	0.000013	U	0.000020	0.000013	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-12/13	0.000012	U	0.000040	0.000012	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-14	0.000011	U	0.000020	0.000011	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-15	0.000024	U G	0.000024	0.000024	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-16	0.0000035	U	0.000020	0.0000035	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-17	0.0000029	U	0.000020	0.0000029	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-18/30	0.0000026	U	0.000040	0.0000026	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-19	0.0000020	U	0.000020	0.0000020	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-20/28	0.00000067	U	0.000040	0.00000067	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-21/33	0.00000059	U	0.000040	0.00000059	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-22	0.00000070	U	0.000020	0.00000070	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-23	0.00000061	U	0.000020	0.00000061	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-24	0.0000023	U	0.000020	0.0000023	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-25	0.00000060	U	0.000020	0.00000060	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-26/29	0.00000064	U	0.000040	0.00000064	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-27	0.0000023	U	0.000020	0.0000023	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-31	0.00000060	U	0.000020	0.00000060	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-32	0.0000021	U	0.000020	0.0000021	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-34	0.00000068	U	0.000020	0.00000068	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-35	0.00000070	U	0.000020	0.00000070	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-36	0.00000065	U	0.000020	0.00000065	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-37	0.0000018	U	0.000020	0.0000018	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-38	0.00000069	U	0.000020	0.00000069	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-39	0.00000062	U	0.000020	0.00000062	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-40/71	0.00000081	U	0.000040	0.00000081	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-41	0.00000099	U	0.000020	0.00000099	mg/Kg		08/14/15 18:28	08/20/15 13:55	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-82923/1-A
Matrix: Solid
Analysis Batch: 83445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82923

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-42	0.00000080	U	0.000020	0.00000080	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-43	0.00000091	U	0.000020	0.00000091	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-44/47/65	0.00000483	J	0.000060	0.00000080	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-45	0.0000010	U	0.000020	0.0000010	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-46	0.0000010	U	0.000020	0.0000010	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-48	0.00000082	U	0.000020	0.00000082	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-49/69	0.00000256	J	0.000040	0.00000071	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-50/53	0.00000087	U	0.000040	0.00000087	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-51	0.00000082	U	0.000020	0.00000082	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-52	0.00000688	J	0.000020	0.00000092	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-54	0.0000011	U	0.000020	0.0000011	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-55	0.00000076	U	0.000020	0.00000076	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-56	0.00000094	U	0.000020	0.00000094	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-57	0.00000088	U	0.000020	0.00000088	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-58	0.00000086	U	0.000020	0.00000086	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-59/62/75	0.00000063	U	0.000060	0.00000063	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-60	0.00000083	U	0.000020	0.00000083	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-61/70/74/76	0.00000326	J	0.000080	0.00000084	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-63	0.00000081	U	0.000020	0.00000081	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-64	0.00000057	U	0.000020	0.00000057	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-66	0.00000097	U	0.000020	0.00000097	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-67	0.00000080	U	0.000020	0.00000080	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-68	0.00000077	U	0.000020	0.00000077	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-72	0.00000084	U	0.000020	0.00000084	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-73	0.00000068	U	0.000020	0.00000068	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-77	0.0000020	U	0.0000020	0.0000020	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-78	0.00000094	U	0.000020	0.00000094	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-79	0.00000089	U	0.000020	0.00000089	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-80	0.00000079	U	0.000020	0.00000079	mg/Kg		08/14/15 18:28	08/20/15 13:55	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-82923/1-A
Matrix: Solid
Analysis Batch: 83445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82923

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-81	0.0000019	U	0.0000020	0.0000019	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-82	0.0000011	U	0.000020	0.0000011	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-83	0.0000013	U	0.000020	0.0000013	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-84	0.00000210	J	0.000020	0.0000011	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-85/116/117	0.00000083	U	0.000060	0.00000083	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-86/87/97/108/119/125	0.00000415	J	0.00012	0.00000085	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-88/91	0.00000098	U	0.000040	0.00000098	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-89	0.0000011	U	0.000020	0.0000011	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-90/101/113	0.00000711	J	0.000060	0.00000086	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-92	0.00000147	J	0.000020	0.0000010	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-93/100	0.0000010	U	0.000040	0.0000010	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-107/124	0.00000078	U	0.000040	0.00000078	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-94	0.0000010	U	0.000020	0.0000010	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-95	0.00000743	J	0.000020	0.0000010	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-96	0.00000056	U	0.000020	0.00000056	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-98/102	0.00000090	U	0.000040	0.00000090	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-99	0.00000321	J	0.000020	0.00000093	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-103	0.00000093	U	0.000020	0.00000093	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-104	0.00000036	U	0.000020	0.00000036	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-105	0.0000011	U	0.0000020	0.0000011	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-106	0.00000082	U	0.000020	0.00000082	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-110/115	0.00000598	J	0.000040	0.00000074	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-109	0.00000078	U	0.000020	0.00000078	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-111	0.00000069	U	0.000020	0.00000069	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-112	0.00000068	U	0.000020	0.00000068	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-114	0.00000095	U	0.0000020	0.00000095	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-118	0.00000400		0.0000020	0.00000089	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-120	0.00000074	U	0.000020	0.00000074	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-121	0.00000073	U	0.000020	0.00000073	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-122	0.00000087	U	0.000020	0.00000087	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-123	0.00000086	U	0.0000020	0.00000086	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-126	0.0000016	U	0.0000020	0.0000016	mg/Kg		08/14/15 18:28	08/20/15 13:55	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-82923/1-A
Matrix: Solid
Analysis Batch: 83445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82923

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-127	0.00000090	U	0.000020	0.00000090	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-128/166	0.00000081	U	0.000040	0.00000081	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-129/138/163	0.00000675	J	0.000060	0.00000081	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-130	0.0000010	U	0.000020	0.0000010	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-131	0.00000095	U	0.000020	0.00000095	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-132	0.00000229	J	0.000020	0.00000088	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-133	0.00000086	U	0.000020	0.00000086	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-134/143	0.00000089	U	0.000040	0.00000089	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-135/151	0.00000083	U	0.000040	0.00000083	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-136	0.000000983	J	0.000020	0.00000063	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-137	0.00000087	U	0.000020	0.00000087	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-139/140	0.00000079	U	0.000040	0.00000079	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-141	0.00000083	U	0.000020	0.00000083	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-142	0.00000085	U	0.000020	0.00000085	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-144	0.00000079	U	0.000020	0.00000079	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-145	0.00000059	U	0.000020	0.00000059	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-146	0.00000085	U	0.000020	0.00000085	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-147/149	0.00000484	J	0.000040	0.00000080	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-148	0.00000078	U	0.000020	0.00000078	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-150	0.00000055	U	0.000020	0.00000055	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-152	0.00000059	U	0.000020	0.00000059	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-153/168	0.00000541	J	0.000040	0.00000068	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-154	0.00000071	U	0.000020	0.00000071	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-155	0.00000046	U	0.000020	0.00000046	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-156/157	0.0000011	U	0.0000040	0.0000011	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-158	0.00000063	U	0.000020	0.00000063	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-159	0.00000081	U	0.000020	0.00000081	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-160	0.00000076	U	0.000020	0.00000076	mg/Kg		08/14/15 18:28	08/20/15 13:55	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-82923/1-A
Matrix: Solid
Analysis Batch: 83445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82923

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-161	0.00000063	U	0.000020	0.00000063	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-162	0.00000075	U	0.000020	0.00000075	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-164	0.00000065	U	0.000020	0.00000065	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-165	0.00000073	U	0.000020	0.00000073	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-167	0.00000076	U	0.0000020	0.00000076	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-169	0.0000014	U	0.0000020	0.0000014	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-170	0.00000083	U	0.000020	0.00000083	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-171/173	0.00000072	U	0.000040	0.00000072	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-172	0.00000074	U	0.000020	0.00000074	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-174	0.0000012	U	0.000020	0.0000012	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-175	0.00000063	U	0.000020	0.00000063	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-176	0.00000043	U	0.000020	0.00000043	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-177	0.00000072	U	0.000020	0.00000072	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-178	0.00000064	U	0.000020	0.00000064	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-179	0.00000047	U	0.000020	0.00000047	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-180/193	0.00000244	J	0.000040	0.00000062	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-181	0.00000064	U	0.000020	0.00000064	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-182	0.00000057	U	0.000020	0.00000057	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-183	0.00000056	U	0.000020	0.00000056	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-184	0.00000047	U	0.000020	0.00000047	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-185	0.00000064	U	0.000020	0.00000064	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-186	0.00000045	U	0.000020	0.00000045	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-187	0.00000060	U	0.000020	0.00000060	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-188	0.00000045	U	0.000020	0.00000045	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-189	0.00000095	U	0.0000020	0.00000095	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-190	0.00000059	U	0.000020	0.00000059	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-191	0.00000056	U	0.000020	0.00000056	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-192	0.00000058	U	0.000020	0.00000058	mg/Kg		08/14/15 18:28	08/20/15 13:55	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-82923/1-A
Matrix: Solid
Analysis Batch: 83445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82923

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-194	0.00000086	U	0.000020	0.00000086	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-195	0.00000079	U	0.000020	0.00000079	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-196	0.00000062	U	0.000020	0.00000062	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-197	0.00000039	U	0.000020	0.00000039	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-198/199	0.00000063	U	0.000040	0.00000063	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-200	0.00000040	U	0.000020	0.00000040	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-201	0.00000038	U	0.000020	0.00000038	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-202	0.00000040	U	0.000020	0.00000040	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-203	0.00000059	U	0.000020	0.00000059	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-204	0.00000040	U	0.000020	0.00000040	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-205	0.00000075	U	0.000020	0.00000075	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-206	0.00000067	U	0.000020	0.00000067	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-207	0.00000045	U	0.000020	0.00000045	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-208	0.00000056	U	0.000020	0.00000056	mg/Kg		08/14/15 18:28	08/20/15 13:55	1
PCB-209	0.00000061	U	0.000020	0.00000061	mg/Kg		08/14/15 18:28	08/20/15 13:55	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*46*		*5 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-3L	*45*		*5 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-4L	*43*		*5 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-15L	*27*		*5 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-19L	*34*		*5 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-37L	*16*		*5 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-54L	*22*		*5 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-77L	*15*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-81L	*15*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-104L	*19*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-105L	*16*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-114L	*16*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-118L	*17*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-123L	*17*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-126L	*15*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-155L	*16*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-156L/157L	*17*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-167L	*16*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-169L	*16*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*
PCB-188L	*15*		*10 - 145*	*08/14/15 18:28*	*08/20/15 13:55*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-82923/1-A
Matrix: Solid
Analysis Batch: 83445

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 82923

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-189L	16		10 - 145	08/14/15 18:28	08/20/15 13:55	1
PCB-202L	17		10 - 145	08/14/15 18:28	08/20/15 13:55	1
PCB-205L	19		10 - 145	08/14/15 18:28	08/20/15 13:55	1
PCB-206L	21		10 - 145	08/14/15 18:28	08/20/15 13:55	1
PCB-208L	18		10 - 145	08/14/15 18:28	08/20/15 13:55	1
PCB-209L	20		10 - 145	08/14/15 18:28	08/20/15 13:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	51		5 - 145	08/14/15 18:28	08/20/15 13:55	1
PCB-111L	67		10 - 145	08/14/15 18:28	08/20/15 13:55	1
PCB-178L	72		10 - 145	08/14/15 18:28	08/20/15 13:55	1

Lab Sample ID: LCS 320-82923/2-A
Matrix: Solid
Analysis Batch: 83445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 82923

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.000200	0.000186		mg/Kg		93	60 - 135
PCB-3	0.000200	0.000182		mg/Kg		91	60 - 135
PCB-4	0.000200	0.000189		mg/Kg		95	60 - 135
PCB-15	0.000200	0.000178		mg/Kg		89	60 - 135
PCB-19	0.000200	0.000190		mg/Kg		95	60 - 135
PCB-37	0.000200	0.000178		mg/Kg		89	60 - 135
PCB-54	0.000200	0.000189		mg/Kg		95	60 - 135
PCB-77	0.000200	0.000183		mg/Kg		92	60 - 135
PCB-81	0.000200	0.000172		mg/Kg		86	60 - 135
PCB-104	0.000200	0.000188		mg/Kg		94	60 - 135
PCB-105	0.000200	0.000193		mg/Kg		96	60 - 135
PCB-114	0.000200	0.000190		mg/Kg		95	60 - 135
PCB-118	0.000200	0.000195		mg/Kg		98	60 - 135
PCB-123	0.000200	0.000185		mg/Kg		92	60 - 135
PCB-126	0.000200	0.000182		mg/Kg		91	60 - 135
PCB-155	0.000200	0.000188		mg/Kg		94	60 - 135
PCB-156/157	0.000400	0.000372		mg/Kg		93	60 - 135
PCB-167	0.000200	0.000182		mg/Kg		91	60 - 135
PCB-169	0.000200	0.000183		mg/Kg		92	60 - 135
PCB-188	0.000200	0.000191		mg/Kg		96	60 - 135
PCB-189	0.000200	0.000182		mg/Kg		91	60 - 135
PCB-202	0.000200	0.000194		mg/Kg		97	60 - 135
PCB-205	0.000200	0.000186		mg/Kg		93	60 - 135
PCB-206	0.000200	0.000182		mg/Kg		91	60 - 135
PCB-208	0.000200	0.000186		mg/Kg		93	60 - 135
PCB-209	0.000200	0.000189		mg/Kg		94	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	42		15 - 145
PCB-3L	46		15 - 145
PCB-4L	48		15 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-82923/2-A
Matrix: Solid
Analysis Batch: 83445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 82923

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-15L	49		15 - 145
PCB-19L	51		15 - 145
PCB-37L	44		15 - 145
PCB-54L	45		15 - 145
PCB-77L	51		40 - 145
PCB-81L	51		40 - 145
PCB-104L	48		40 - 145
PCB-105L	62		40 - 145
PCB-114L	62		40 - 145
PCB-118L	63		40 - 145
PCB-123L	61		40 - 145
PCB-126L	68		40 - 145
PCB-155L	50		40 - 145
PCB-156L/157L	65		40 - 145
PCB-167L	64		40 - 145
PCB-169L	66		40 - 145
PCB-188L	62		40 - 145
PCB-189L	70		40 - 145
PCB-202L	77		40 - 145
PCB-205L	79		40 - 145
PCB-206L	87		40 - 145
PCB-208L	82		40 - 145
PCB-209L	79		40 - 145

Surrogate	LCS %Recovery	LCS Qualifier	Limits
PCB-28L	44		5 - 145
PCB-111L	62		10 - 145
PCB-178L	67		10 - 145

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-84481/1-A
Matrix: Solid
Analysis Batch: 84740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84481

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000000040	U	0.0000010	0.0000000 40	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
2,3,7,8-TCDF	0.000000043	U	0.0000010	0.0000000 43	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,7,8-PeCDD	0.000000048	U	0.0000050	0.0000000 48	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,7,8-PeCDF	0.000000036	U	0.0000050	0.0000000 36	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
2,3,4,7,8-PeCDF	0.000000038	U	0.0000050	0.0000000 38	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,4,7,8-HxCDD	0.000000043	U	0.0000050	0.0000000 43	mg/Kg		08/28/15 14:07	08/31/15 21:04	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-84481/1-A
Matrix: Solid
Analysis Batch: 84740

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84481

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDD	0.000000037	U	0.0000050	0.0000000 37	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,7,8,9-HxCDD	0.000000035	U	0.0000050	0.0000000 35	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,4,7,8-HxCDF	0.000000036	U	0.0000050	0.0000000 36	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,6,7,8-HxCDF	0.000000031	U	0.0000050	0.0000000 31	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,7,8,9-HxCDF	0.000000037	U	0.0000050	0.0000000 37	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
2,3,4,6,7,8-HxCDF	0.000000035	U	0.0000050	0.0000000 35	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,4,6,7,8-HpCDD	0.000000040	U	0.0000050	0.0000000 40	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,4,6,7,8-HpCDF	0.000000047	J	0.0000050	0.0000000 16	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
1,2,3,4,7,8,9-HpCDF	0.000000019	U	0.0000050	0.0000000 19	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
OCDD	0.000000225	J q	0.000010	0.0000000 40	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
OCDF	0.000000056	U	0.000010	0.0000000 56	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
Total TCDD	0.000000107	J q	0.0000010	0.0000000 40	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
Total TCDF	0.000000043	U	0.0000010	0.0000000 43	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
Total PeCDD	0.000000048	U	0.0000050	0.0000000 48	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
Total PeCDF	0.000000038	U	0.0000050	0.0000000 38	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
Total HxCDD	0.000000043	U	0.0000050	0.0000000 43	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
Total HxCDF	0.000000037	U	0.0000050	0.0000000 37	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
Total HpCDD	0.000000060	J q	0.0000050	0.0000000 40	mg/Kg		08/28/15 14:07	08/31/15 21:04	1
Total HpCDF	0.000000047	J	0.0000050	0.0000000 17	mg/Kg		08/28/15 14:07	08/31/15 21:04	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*61*		*40 - 135*	*08/28/15 14:07*	*08/31/15 21:04*	*1*
13C-2,3,7,8-TCDF	*63*		*40 - 135*	*08/28/15 14:07*	*08/31/15 21:04*	*1*
13C-1,2,3,7,8-PeCDD	*61*		*40 - 135*	*08/28/15 14:07*	*08/31/15 21:04*	*1*
13C-1,2,3,7,8-PeCDF	*63*		*40 - 135*	*08/28/15 14:07*	*08/31/15 21:04*	*1*
13C-1,2,3,6,7,8-HxCDD	*61*		*40 - 135*	*08/28/15 14:07*	*08/31/15 21:04*	*1*
13C-1,2,3,4,7,8-HxCDF	*58*		*40 - 135*	*08/28/15 14:07*	*08/31/15 21:04*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*62*		*40 - 135*	*08/28/15 14:07*	*08/31/15 21:04*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*63*		*40 - 135*	*08/28/15 14:07*	*08/31/15 21:04*	*1*
13C-OCDD	*51*		*40 - 135*	*08/28/15 14:07*	*08/31/15 21:04*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-84481/2-A
Matrix: Solid
Analysis Batch: 84740

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84481

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	0.0000200	0.0000221		mg/Kg		110	77 - 130
2,3,7,8-TCDF	0.0000200	0.0000234		mg/Kg		117	79 - 137
1,2,3,7,8-PeCDD	0.000100	0.000113		mg/Kg		113	79 - 134
1,2,3,7,8-PeCDF	0.000100	0.000112		mg/Kg		112	81 - 134
2,3,4,7,8-PeCDF	0.000100	0.000113		mg/Kg		113	76 - 132
1,2,3,4,7,8-HxCDD	0.000100	0.000110		mg/Kg		110	65 - 144
1,2,3,6,7,8-HxCDD	0.000100	0.000118		mg/Kg		118	73 - 147
1,2,3,7,8,9-HxCDD	0.000100	0.000119		mg/Kg		119	80 - 143
1,2,3,4,7,8-HxCDF	0.000100	0.000126		mg/Kg		126	72 - 140
1,2,3,6,7,8-HxCDF	0.000100	0.000128		mg/Kg		128	63 - 152
1,2,3,7,8,9-HxCDF	0.000100	0.000127		mg/Kg		127	72 - 152
2,3,4,6,7,8-HxCDF	0.000100	0.000131		mg/Kg		131	72 - 151
1,2,3,4,6,7,8-HpCDD	0.000100	0.000113		mg/Kg		113	86 - 134
1,2,3,4,6,7,8-HpCDF	0.000100	0.000116		mg/Kg		116	81 - 137
1,2,3,4,7,8,9-HpCDF	0.000100	0.000104		mg/Kg		104	79 - 139
OCDD	0.000200	0.000221		mg/Kg		111	80 - 137
OCDF	0.000200	0.000218		mg/Kg		109	75 - 141

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*54*		*40 - 135*
13C-2,3,7,8-TCDF	*55*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*55*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*58*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*57*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*54*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*58*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*60*		*40 - 135*
13C-OCDD	*50*		*40 - 135*

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

GC/MS Semi VOA

Prep Batch: 395907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	3546	
680-115546-2	SB-159 (2-4')	Total/NA	Solid	3546	
680-115546-3	SB-160 (0-2')	Total/NA	Solid	3546	
680-115546-4	SB-160 (2-4')	Total/NA	Solid	3546	
680-115546-5	SB-191 (0-2')	Total/NA	Solid	3546	
680-115546-6	DUP-01 (0-2')	Total/NA	Solid	3546	
680-115546-7	SB-195 (0-2')	Total/NA	Solid	3546	
680-115546-8	SB-196 (0-2')	Total/NA	Solid	3546	
680-115546-9	SB-197 (0-2')	Total/NA	Solid	3546	
680-115546-9 MS	SB-197 (0-2')	Total/NA	Solid	3546	
680-115546-9 MSD	SB-197 (0-2')	Total/NA	Solid	3546	
680-115546-10	SB-174 (0-2')	Total/NA	Solid	3546	
680-115546-11	SB-180 (0-2')	Total/NA	Solid	3546	
680-115546-12	SB-157 (0-2')	Total/NA	Solid	3546	
680-115546-13	SB-157 (2-4')	Total/NA	Solid	3546	
680-115546-14	SB-198 (0-2')	Total/NA	Solid	3546	
680-115546-15	SB-166 (0-2')	Total/NA	Solid	3546	
680-115546-16	SB-165 (0-2')	Total/NA	Solid	3546	
680-115546-17	SB-164 (0-2')	Total/NA	Solid	3546	
680-115546-18	SB-190 (0-2')	Total/NA	Solid	3546	
680-115546-19	SB-189 (0-2')	Total/NA	Solid	3546	
680-115546-20	SB-168 (0-2')	Total/NA	Solid	3546	
LCS 680-395907/22-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-395907/21-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 395908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-21	SB-192 (0-2')	Total/NA	Solid	3546	
680-115546-22	SB-167 (0-2')	Total/NA	Solid	3546	
680-115546-23	SB-187 (0-2')	Total/NA	Solid	3546	
680-115546-23 MS	SB-187 (0-2')	Total/NA	Solid	3546	
680-115546-23 MSD	SB-187 (0-2')	Total/NA	Solid	3546	
LCS 680-395908/13-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 680-395908/16-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 680-395908/12-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 396051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-2	SB-159 (2-4')	Total/NA	Solid	8270D LL	395907
680-115546-3	SB-160 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-4	SB-160 (2-4')	Total/NA	Solid	8270D LL	395907
680-115546-5	SB-191 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-6	DUP-01 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-7	SB-195 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-10	SB-174 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-11	SB-180 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-12	SB-157 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-13	SB-157 (2-4')	Total/NA	Solid	8270D LL	395907
680-115546-15	SB-166 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-17	SB-164 (0-2')	Total/NA	Solid	8270D LL	395907
LCS 680-395907/22-A	Lab Control Sample	Total/NA	Solid	8270D LL	395907

GC/MS Semi VOA (Continued)

Analysis Batch: 396051 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-395907/21-A	Method Blank	Total/NA	Solid	8270D LL	395907

Analysis Batch: 396779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-8	SB-196 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-9	SB-197 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-9 MS	SB-197 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-9 MSD	SB-197 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-14	SB-198 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-18	SB-190 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-20	SB-168 (0-2')	Total/NA	Solid	8270D LL	395907

Analysis Batch: 396960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-16	SB-165 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-19	SB-189 (0-2')	Total/NA	Solid	8270D LL	395907
680-115546-21	SB-192 (0-2')	Total/NA	Solid	8270D LL	395908
680-115546-22	SB-167 (0-2')	Total/NA	Solid	8270D LL	395908
680-115546-23	SB-187 (0-2')	Total/NA	Solid	8270D LL	395908
680-115546-23 MS	SB-187 (0-2')	Total/NA	Solid	8270D LL	395908
680-115546-23 MSD	SB-187 (0-2')	Total/NA	Solid	8270D LL	395908
LCS 680-395908/13-A	Lab Control Sample	Total/NA	Solid	8270D LL	395908
LCSD 680-395908/16-A	Lab Control Sample Dup	Total/NA	Solid	8270D LL	395908
MB 680-395908/12-A	Method Blank	Total/NA	Solid	8270D LL	395908

GC Semi VOA

Prep Batch: 395863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	3546	
680-115546-1 MS	SB-159 (0-2')	Total/NA	Solid	3546	
680-115546-1 MSD	SB-159 (0-2')	Total/NA	Solid	3546	
680-115546-2	SB-159 (2-4')	Total/NA	Solid	3546	
680-115546-3	SB-160 (0-2')	Total/NA	Solid	3546	
680-115546-4	SB-160 (2-4')	Total/NA	Solid	3546	
LCS 680-395863/6-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-395863/5-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 396062

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	8081B/8082A	395863
680-115546-1 MS	SB-159 (0-2')	Total/NA	Solid	8081B/8082A	395863
680-115546-1 MSD	SB-159 (0-2')	Total/NA	Solid	8081B/8082A	395863
680-115546-2	SB-159 (2-4')	Total/NA	Solid	8081B/8082A	395863
680-115546-3	SB-160 (0-2')	Total/NA	Solid	8081B/8082A	395863
680-115546-4	SB-160 (2-4')	Total/NA	Solid	8081B/8082A	395863
LCS 680-395863/6-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	395863
MB 680-395863/5-A	Method Blank	Total/NA	Solid	8081B/8082A	395863

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Specialty Organics

Prep Batch: 82923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	HRMS-Sox	
680-115546-2	SB-159 (2-4')	Total/NA	Solid	HRMS-Sox	
680-115546-3	SB-160 (0-2')	Total/NA	Solid	HRMS-Sox	
680-115546-4	SB-160 (2-4')	Total/NA	Solid	HRMS-Sox	
LCS 320-82923/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	
MB 320-82923/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	

Analysis Batch: 83445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	1668C	82923
680-115546-2	SB-159 (2-4')	Total/NA	Solid	1668C	82923
680-115546-3	SB-160 (0-2')	Total/NA	Solid	1668C	82923
680-115546-4	SB-160 (2-4')	Total/NA	Solid	1668C	82923
LCS 320-82923/2-A	Lab Control Sample	Total/NA	Solid	1668C	82923
MB 320-82923/1-A	Method Blank	Total/NA	Solid	1668C	82923

Prep Batch: 84481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	8290	
680-115546-2	SB-159 (2-4')	Total/NA	Solid	8290	
680-115546-3	SB-160 (0-2')	Total/NA	Solid	8290	
680-115546-4	SB-160 (2-4')	Total/NA	Solid	8290	
LCS 320-84481/2-A	Lab Control Sample	Total/NA	Solid	8290	
MB 320-84481/1-A	Method Blank	Total/NA	Solid	8290	

Analysis Batch: 84740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	8290A	84481
680-115546-2	SB-159 (2-4')	Total/NA	Solid	8290A	84481
680-115546-3	SB-160 (0-2')	Total/NA	Solid	8290A	84481
680-115546-4	SB-160 (2-4')	Total/NA	Solid	8290A	84481
LCS 320-84481/2-A	Lab Control Sample	Total/NA	Solid	8290A	84481
MB 320-84481/1-A	Method Blank	Total/NA	Solid	8290A	84481

Analysis Batch: 85058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	None	
680-115546-2	SB-159 (2-4')	Total/NA	Solid	None	
680-115546-3	SB-160 (0-2')	Total/NA	Solid	None	
680-115546-4	SB-160 (2-4')	Total/NA	Solid	None	

General Chemistry

Analysis Batch: 395860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-1	SB-159 (0-2')	Total/NA	Solid	Moisture	
680-115546-2	SB-159 (2-4')	Total/NA	Solid	Moisture	
680-115546-3	SB-160 (0-2')	Total/NA	Solid	Moisture	
680-115546-4	SB-160 (2-4')	Total/NA	Solid	Moisture	
680-115546-5	SB-191 (0-2')	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 395860 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115546-6	DUP-01 (0-2')	Total/NA	Solid	Moisture	
680-115546-7	SB-195 (0-2')	Total/NA	Solid	Moisture	
680-115546-8	SB-196 (0-2')	Total/NA	Solid	Moisture	
680-115546-9	SB-197 (0-2')	Total/NA	Solid	Moisture	
680-115546-9 MS	SB-197 (0-2')	Total/NA	Solid	Moisture	
680-115546-9 MSD	SB-197 (0-2')	Total/NA	Solid	Moisture	
680-115546-10	SB-174 (0-2')	Total/NA	Solid	Moisture	
680-115546-11	SB-180 (0-2')	Total/NA	Solid	Moisture	
680-115546-12	SB-157 (0-2')	Total/NA	Solid	Moisture	
680-115546-13	SB-157 (2-4')	Total/NA	Solid	Moisture	
680-115546-14	SB-198 (0-2')	Total/NA	Solid	Moisture	
680-115546-15	SB-166 (0-2')	Total/NA	Solid	Moisture	
680-115546-16	SB-165 (0-2')	Total/NA	Solid	Moisture	
680-115546-17	SB-164 (0-2')	Total/NA	Solid	Moisture	
680-115546-18	SB-190 (0-2')	Total/NA	Solid	Moisture	
680-115546-19	SB-189 (0-2')	Total/NA	Solid	Moisture	
680-115546-20	SB-168 (0-2')	Total/NA	Solid	Moisture	
680-115546-21	SB-192 (0-2')	Total/NA	Solid	Moisture	
680-115546-22	SB-167 (0-2')	Total/NA	Solid	Moisture	
680-115546-23	SB-187 (0-2')	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-159 (0-2')
Date Collected: 08/11/15 12:55
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-1
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			85058	09/03/15 15:47	MKW	TAL SAC
Total/NA	Analysis	Moisture		1			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-159 (0-2')
Date Collected: 08/11/15 12:55
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-1
Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.98 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		10	29.98 g	1 mL	396779	08/18/15 20:40	NED	TAL SAV
Total/NA	Prep	3546			15.20 g	10 mL	395863	08/13/15 11:38	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.20 g	10 mL	396062	08/13/15 21:46	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.04 g	40 uL	82923	08/14/15 18:28	GDB	TAL SAC
Total/NA	Analysis	1668C		1	20.04 g	40 uL	83445	08/20/15 16:26	KSS	TAL SAC
Total/NA	Prep	8290			10.04 g	20 uL	84481	08/28/15 14:07	DXD	TAL SAC
Total/NA	Analysis	8290A		1	10.04 g	20 uL	84740	08/31/15 22:26	SMA	TAL SAC

Client Sample ID: SB-159 (2-4')
Date Collected: 08/11/15 13:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-2
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			85058	09/03/15 15:47	MKW	TAL SAC
Total/NA	Analysis	Moisture		1			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-159 (2-4')
Date Collected: 08/11/15 13:00
Date Received: 08/12/15 17:10

Lab Sample ID: 680-115546-2
Matrix: Solid
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.06 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.06 g	1 mL	396051	08/14/15 15:17	NED	TAL SAV
Total/NA	Prep	3546			15.15 g	10 mL	395863	08/13/15 11:38	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.15 g	10 mL	396062	08/13/15 22:00	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.29 g	40 uL	82923	08/14/15 18:28	GDB	TAL SAC
Total/NA	Analysis	1668C		1	20.29 g	40 uL	83445	08/20/15 17:41	KSS	TAL SAC
Total/NA	Prep	8290			10.38 g	20 uL	84481	08/28/15 14:07	DXD	TAL SAC
Total/NA	Analysis	8290A		1	10.38 g	20 uL	84740	08/31/15 23:08	SMA	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-160 (0-2')

Lab Sample ID: 680-115546-3
Date Collected: 08/11/15 15:25
Matrix: Solid
Date Received: 08/12/15 17:10

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			85058	09/03/15 15:47	MKW	TAL SAC
Total/NA	Analysis	Moisture		1			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-160 (0-2')

Lab Sample ID: 680-115546-3
Date Collected: 08/11/15 15:25
Matrix: Solid
Date Received: 08/12/15 17:10
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			30.04 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.04 g	1 mL	396051	08/14/15 15:46	NED	TAL SAV
Total/NA	Prep	3546			15.10 g	10 mL	395863	08/13/15 11:38	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.10 g	10 mL	396062	08/13/15 22:15	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			19.79 g	40 uL	82923	08/14/15 18:28	GDB	TAL SAC
Total/NA	Analysis	1668C		1	19.79 g	40 uL	83445	08/20/15 18:56	KSS	TAL SAC
Total/NA	Prep	8290			10.14 g	20 uL	84481	08/28/15 14:07	DXD	TAL SAC
Total/NA	Analysis	8290A		1	10.14 g	20 uL	84740	08/31/15 23:50	SMA	TAL SAC

Client Sample ID: SB-160 (2-4')

Lab Sample ID: 680-115546-4
Date Collected: 08/11/15 15:30
Matrix: Solid
Date Received: 08/12/15 17:10

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			85058	09/03/15 15:47	MKW	TAL SAC
Total/NA	Analysis	Moisture		1			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-160 (2-4')

Lab Sample ID: 680-115546-4
Date Collected: 08/11/15 15:30
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.11 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.11 g	1 mL	396051	08/14/15 16:16	NED	TAL SAV
Total/NA	Prep	3546			15.15 g	10 mL	395863	08/13/15 11:38	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.15 g	10 mL	396062	08/13/15 22:29	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.16 g	40 uL	82923	08/14/15 18:28	GDB	TAL SAC
Total/NA	Analysis	1668C		1	20.16 g	40 uL	83445	08/20/15 20:11	KSS	TAL SAC
Total/NA	Prep	8290			9.98 g	20 uL	84481	08/28/15 14:07	DXD	TAL SAC
Total/NA	Analysis	8290A		1	9.98 g	20 uL	84740	09/01/15 00:32	SMA	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-191 (0-2')
Lab Sample ID: 680-115546-5
Date Collected: 08/12/15 09:40
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-191 (0-2')
Lab Sample ID: 680-115546-5
Date Collected: 08/12/15 09:40
Matrix: Solid
Date Received: 08/12/15 17:10
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			29.94 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	29.94 g	1 mL	396051	08/14/15 16:45	NED	TAL SAV

Client Sample ID: DUP-01 (0-2')
Lab Sample ID: 680-115546-6
Date Collected: 08/12/15 00:00
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: DUP-01 (0-2')
Lab Sample ID: 680-115546-6
Date Collected: 08/12/15 00:00
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.93 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	29.93 g	1 mL	396051	08/14/15 17:15	NED	TAL SAV

Client Sample ID: SB-195 (0-2')
Lab Sample ID: 680-115546-7
Date Collected: 08/12/15 13:10
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-195 (0-2')
Lab Sample ID: 680-115546-7
Date Collected: 08/12/15 13:10
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.01 g	1 mL	396051	08/14/15 17:44	NED	TAL SAV

Client Sample ID: SB-196 (0-2')
Lab Sample ID: 680-115546-8
Date Collected: 08/12/15 14:40
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-196 (0-2')
Lab Sample ID: 680-115546-8
Date Collected: 08/12/15 14:40
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.02 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.02 g	1 mL	396779	08/18/15 21:10	NED	TAL SAV

Client Sample ID: SB-197 (0-2')
Lab Sample ID: 680-115546-9
Date Collected: 08/12/15 15:35
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-197 (0-2')
Lab Sample ID: 680-115546-9
Date Collected: 08/12/15 15:35
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.94 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	29.94 g	1 mL	396779	08/18/15 21:40	NED	TAL SAV

Client Sample ID: SB-174 (0-2')
Lab Sample ID: 680-115546-10
Date Collected: 08/12/15 15:45
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-174 (0-2')
Lab Sample ID: 680-115546-10
Date Collected: 08/12/15 15:45
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.99 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	29.99 g	1 mL	396051	08/14/15 19:12	NED	TAL SAV

Client Sample ID: SB-180 (0-2') — Lab Sample ID: 680-115546-11

Date Collected: 08/12/15 16:10 — **Matrix: Solid**
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-180 (0-2') — Lab Sample ID: 680-115546-11

Date Collected: 08/12/15 16:10 — **Matrix: Solid**
Date Received: 08/12/15 17:10 — **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			29.98 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	29.98 g	1 mL	396051	08/14/15 19:42	NED	TAL SAV

Client Sample ID: SB-157 (0-2') — Lab Sample ID: 680-115546-12

Date Collected: 08/11/15 12:00 — **Matrix: Solid**
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-157 (0-2') — Lab Sample ID: 680-115546-12

Date Collected: 08/11/15 12:00 — **Matrix: Solid**
Date Received: 08/12/15 17:10 — **Percent Solids: 79.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.15 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.15 g	1 mL	396051	08/14/15 20:11	NED	TAL SAV

Client Sample ID: SB-157 (2-4') — Lab Sample ID: 680-115546-13

Date Collected: 08/11/15 12:05 — **Matrix: Solid**
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-157 (2-4') — Lab Sample ID: 680-115546-13

Date Collected: 08/11/15 12:05 — **Matrix: Solid**
Date Received: 08/12/15 17:10 — **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			30.02 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.02 g	1 mL	396051	08/14/15 20:39	NED	TAL SAV

Client Sample ID: SB-198 (0-2')
Lab Sample ID: 680-115546-14
Date Collected: 08/11/15 15:20
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-198 (0-2')
Lab Sample ID: 680-115546-14
Date Collected: 08/11/15 15:20
Matrix: Solid
Date Received: 08/12/15 17:10
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			30.04 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		10	30.04 g	1 mL	396779	08/18/15 22:09	NED	TAL SAV

Client Sample ID: SB-166 (0-2')
Lab Sample ID: 680-115546-15
Date Collected: 08/11/15 14:25
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-166 (0-2')
Lab Sample ID: 680-115546-15
Date Collected: 08/11/15 14:25
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.97 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		10	29.97 g	1 mL	396051	08/14/15 21:37	NED	TAL SAV

Client Sample ID: SB-165 (0-2')
Lab Sample ID: 680-115546-16
Date Collected: 08/11/15 14:45
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-165 (0-2')
Lab Sample ID: 680-115546-16
Date Collected: 08/11/15 14:45
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.21 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1000	30.21 g	1 mL	396960	08/19/15 21:33	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-164 (0-2')
Lab Sample ID: 680-115546-17
Date Collected: 08/11/15 16:40
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-164 (0-2')
Lab Sample ID: 680-115546-17
Date Collected: 08/11/15 16:40
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.09 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.09 g	1 mL	396051	08/14/15 22:35	NED	TAL SAV

Client Sample ID: SB-190 (0-2')
Lab Sample ID: 680-115546-18
Date Collected: 08/12/15 09:00
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-190 (0-2')
Lab Sample ID: 680-115546-18
Date Collected: 08/12/15 09:00
Matrix: Solid
Date Received: 08/12/15 17:10
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			30.24 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		5	30.24 g	1 mL	396779	08/18/15 23:38	NED	TAL SAV

Client Sample ID: SB-189 (0-2')
Lab Sample ID: 680-115546-19
Date Collected: 08/12/15 10:05
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-189 (0-2')
Lab Sample ID: 680-115546-19
Date Collected: 08/12/15 10:05
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.37 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		20	30.37 g	1 mL	396960	08/19/15 22:01	NED	TAL SAV

Client Sample ID: SB-168 (0-2')
Lab Sample ID: 680-115546-20
Date Collected: 08/12/15 10:45
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-168 (0-2')
Lab Sample ID: 680-115546-20
Date Collected: 08/12/15 10:45
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 73.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.01 g	1 mL	395907	08/13/15 12:43	JMV	TAL SAV
Total/NA	Analysis	8270D LL		5	30.01 g	1 mL	396779	08/19/15 00:37	NED	TAL SAV

Client Sample ID: SB-192 (0-2')
Lab Sample ID: 680-115546-21
Date Collected: 08/12/15 12:30
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-192 (0-2')
Lab Sample ID: 680-115546-21
Date Collected: 08/12/15 12:30
Matrix: Solid
Date Received: 08/12/15 17:10
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			30.04 g	1 mL	395908	08/13/15 11:38	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.04 g	1 mL	396960	08/20/15 00:47	NED	TAL SAV

Client Sample ID: SB-167 (0-2')
Lab Sample ID: 680-115546-22
Date Collected: 08/12/15 13:10
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-167 (0-2')
Lab Sample ID: 680-115546-22
Date Collected: 08/12/15 13:10
Matrix: Solid
Date Received: 08/12/15 17:10
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			30.02 g	1 mL	395908	08/13/15 11:38	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.02 g	1 mL	396960	08/20/15 01:15	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Client Sample ID: SB-187 (0-2')

Lab Sample ID: 680-115546-23
Date Collected: 08/12/15 15:15
Matrix: Solid
Date Received: 08/12/15 17:10

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			395860	08/13/15 10:20	FES	TAL SAV

Client Sample ID: SB-187 (0-2')

Lab Sample ID: 680-115546-23
Date Collected: 08/12/15 15:15
Matrix: Solid
Date Received: 08/12/15 17:10
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.00 g	1 mL	395908	08/13/15 11:38	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.00 g	1 mL	396960	08/20/15 01:43	NED	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 (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler	Lab PM: Smith, Kathryn E	Carrier Tracking No(s)	COC No: 680-66644-28572.1
Client Contact: Mr David Wilderman, P.G.	Phone	E-Mail: kathy smith@testamericainc.com		Page: Page 1 of 6
Company: ARCADIS U.S., Inc				Job #:
Address: 2410 Paces Ferry Road Suite 400	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30339				
Phone: 770-428-9009(Tel)	PO #: 4501696543			
Email: dwilderman@arcadis-us.com	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 - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification	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)	8270D - (MOD) 1,1-Biphenyl Only	1668C - Full List (209 Comb/Coel)	8081B_8082A - (MOD) Appendix 9	8270D_LL - (MOD) Custom Sublist	1668C, 8290A	8081B_8082A - (MOD) Routine PCBs	8290 DIOXINS					Total Number of containers	Special Instructions/Note:
				Preservation Code:	X	X	N	N	N	N	N	N							
SB-159 (0-2')	8/11/15	1255	G	Solid	N	N	X	X				X	X						
SB-159 (2-4')	8/11/15	1300	G	Solid	N	N	X	X				X	X						
SB-160 (0-2')	8/11/15	1525	G	Solid	N	N	X	X				X	X						
SB-160 (2-4')	8/11/15	1530	G	Solid	N	N	X	X				X	X						
SB-191 (0-2')	8/12/15	0940	G	Solid	N	N	X												
DUP-01 (0-2')	8/12/15	—	G	Solid	N	N	X												
SB-195 (0-2')	8/12/15	1310	G	Solid	N	N	X												
SB-196 (0-2')	8/12/15	1440	G	Solid	N	N	X												
SB-197 (0-2')	8/12/15	1535	G	Solid	N	N	X												MS/MSD TAKEN
SB-174 (0-2')	8/12/15	1545	G	Solid	N	N	X												
SB-180 (0-2')	8/12/15	1610	G	Solid	N	N	X												680-

680-115546 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: 680-115546

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment		
Relinquished by: [signature]	Date/Time: 8-12-15 1710	Company	Received by: [signature]	Date/Time: 8/12/15 1710	Company TA
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 8/12/15 17:10	Company TA
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: 12/16 °C

Serial Number 98829

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone.
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE	OF
Ashland - Hercules	0H008060.GA60	GA	1	2
TAL (LAB) PROJECT MANAGER: Kathryn Smith	P.O. NUMBER	CONTRACT NO.		
CLIENT (SITE) PM: Dave Wildermen	CLIENT PHONE: 770-428-9009	CLIENT FAX		
CLIENT NAME: ARCADIS	CLIENT E-MAIL: dwilderman@arcadis-us.com			
CLIENT ADDRESS: 1000 Cobb Place Blvd Bldg 500-A, Kennesaw, GA 30144				
COMPANY CONTRACTING THIS WORK (if applicable)				

STANDARD REPORT DELIVERY ◯
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ◯
DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8270D 1,1-Biphenyl only	8270D Aniline only	PCB 8082 Aroclor only	PCB 8082	1668 - Congeners	Dioxins (Furans)	REMARKS
								NA	NA	NA	NA	NA	NA	
8/11/15	1200	SB-157 (0-2)	G		X			X						
8/11/15	1205	SB-157 (2-4)	G		X			X						
8-11-15	1520	SB-198 (0-2)	G		X			X						
8-11-15	1425	SB-166 (0-2)	G		X			X						
8-11-15	1445	SB-165 (0-2)	G		X			X						
8-11-15	1640	SB-164 (0-2)	G		X			X						
8-12-15	0900	SB-190 (0-2)	G		X			X						
8-12-15	1005	SB-189 (0-2)	G		X			X						
8-12-15	1045	SB-168 (0-2)	G		X			X						
8-12-15	1230	SB-192 (0-2)	G		X			X						
8-12-15	1310	SB-167 (0-2)	G		X			X						680-
8-12-15	1515	SB-187 (0-2)	G		X			X						

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
Mark Myr	8-12-15	1710						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	8/12/15	1710	YES ◯ NO ◯		680-115546	1.2 / 1.6

TAL8240-680 (1008)

Page 01 of 08

9/4/2015

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-115546-1

Login Number: 115546
List Number: 1
Creator: Kicklighter, Marilyn D

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.	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: 680-115546-1

Login Number: 115546
List Number: 2
Creator: Paguyo, Joyce A

List Source: TestAmerica Sacramento
List Creation: 08/14/15 01:54 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	
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.	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	

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115546-1

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-17
A2LA	ISO/IEC 17025		399.01	02-28-17
Alabama	State Program	4	41450	06-30-16
Arkansas DEQ	State Program	6	88-0692	01-31-16
California	State Program	9	2939	07-31-16
Colorado	State Program	8	N/A	12-31-15
Connecticut	State Program	1	PH-0161	03-31-17
Florida	NELAP	4	E87052	06-30-16
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	803	06-30-16
Guam	State Program	9	14-004r	04-16-16
Hawaii	State Program	9	N/A	06-30-16
Illinois	NELAP	5	200022	11-30-15
Indiana	State Program	5	N/A	06-30-15 *
Iowa	State Program	7	353	06-30-17
Kentucky (DW)	State Program	4	90084	12-31-15
Kentucky (UST)	State Program	4	18	06-30-16
Kentucky (WW)	State Program	4	90084	12-31-15
Louisiana	NELAP	6	30690	06-30-16
Louisiana (DW)	NELAP	6	LA150014	12-31-15
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-15
Massachusetts	State Program	1	M-GA006	06-30-16
Michigan	State Program	5	9925	03-05-16
Mississippi	State Program	4	N/A	06-30-15 *
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-16
New Jersey	NELAP	2	GA769	09-30-15 *
New Mexico	State Program	6	N/A	06-30-16
New York	NELAP	2	10842	03-31-16
North Carolina (DW)	State Program	4	13701	07-31-16
North Carolina (WW/SW)	State Program	4	269	12-31-15
Oklahoma	State Program	6	9984	08-31-15 *
Pennsylvania	NELAP	3	68-00474	06-30-16
Puerto Rico	State Program	2	GA00006	12-31-15
South Carolina	State Program	4	98001	06-30-15 *
Tennessee	State Program	4	TN02961	06-30-16
Texas	NELAP	6	T104704185-14-7	11-30-15
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-16
Washington	State Program	10	C805	06-10-16
West Virginia (DW)	State Program	3	9950C	12-31-15
West Virginia DEP	State Program	3	094	06-30-16
Wisconsin	State Program	5	999819810	08-31-15 *
Wyoming	State Program	8	8TMS-L	06-30-16

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

* Certification renewal pending - certification considered valid.

Laboratory: TestAmerica Sacramento (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-15
Arizona	State Program	9	AZ0708	08-11-16
Arkansas DEQ	State Program	6	88-0691	06-17-16
California	State Program	9	2897	01-31-16
Colorado	State Program	8	N/A	08-31-16
Connecticut	State Program	1	PH-0691	06-30-17
Florida	NELAP	4	E87570	06-30-16
Hawaii	State Program	9	N/A	01-29-16
Illinois	NELAP	5	200060	03-17-16
Kansas	NELAP	7	E-10375	10-31-15
Louisiana	NELAP	6	30612	06-30-16
Michigan	State Program	5	9947	01-31-16
Nevada	State Program	9	CA44	07-31-16
New Jersey	NELAP	2	CA005	09-30-15
New York	NELAP	2	11666	04-01-16
Oregon	NELAP	10	CA200005	01-29-16
Pennsylvania	NELAP	3	9947	03-31-16
Texas	NELAP	6	T104704399-15-9	05-31-16
US Fish & Wildlife	Federal		LE148388-0	02-28-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-16
Virginia	NELAP Secondary AB	3	460278	03-14-16
Washington	State Program	10	C581	05-04-16
West Virginia (DW)	State Program	3	9930C	12-31-15
Wyoming	State Program	8	8TMS-Q	01-29-16

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: 680-115598-1
Client Project/Site: Hercules Savannah

For:
ARCADIS U.S., Inc.
2410 Paces Ferry Road
Suite 400
Atlanta, Georgia 30339

Attn: Chris Miller

Kathryn Smith

Authorized for release by:
8/27/2015 10:36:23 AM

Kathryn Smith, Project Manager II
(912)354-7858
kathy.smith@testamericainc.com

LINKS

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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.

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	ISTD response or retention time outside acceptable limits
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.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Method	Method Description	Protocol	Laboratory
8270D LL	Semivolatile Organic Compounds by GC/MS - Low Level	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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-115598-1	SB-173 (0-2')	Solid	08/13/15 09:30	08/13/15 13:15
680-115598-2	SB-199 (0-2')	Solid	08/13/15 09:55	08/13/15 13:15
680-115598-3	DUP-02 (0-2')	Solid	08/13/15 00:00	08/13/15 13:15
680-115598-4	SB-188 (0-2')	Solid	08/13/15 10:55	08/13/15 13:15
680-115598-5	SB-186 (0-2')	Solid	08/13/15 11:15	08/13/15 13:15
680-115598-6	DUP-03 (0-2')	Solid	08/13/15 00:00	08/13/15 13:15
680-115598-7	SB-179 (0-2')	Solid	08/13/15 12:25	08/13/15 13:15
680-115598-8	SB-194 (0-2')	Solid	08/12/15 16:50	08/13/15 13:15
680-115598-9	SB-178 (0-2')	Solid	08/12/15 17:35	08/13/15 13:15
680-115598-10	SB-176 (0-2')	Solid	08/13/15 10:40	08/13/15 13:15
680-115598-11	SB-177 (0-2')	Solid	08/13/15 11:20	08/13/15 13:15
680-115598-12	SB-193 (0-2')	Solid	08/13/15 12:20	08/13/15 13:15

Job ID: 680-115598-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: ARCADIS U.S., Inc.
Project: Hercules Savannah

Report Number: 680-115598-1

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 08/13/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 5.0 C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL

Samples SB-173 (0-2') (680-115598-1), SB-199 (0-2') (680-115598-2), DUP-02 (0-2') (680-115598-3), SB-188 (0-2') (680-115598-4), SB-186 (0-2') (680-115598-5), DUP-03 (0-2') (680-115598-6), SB-179 (0-2') (680-115598-7), SB-194 (0-2') (680-115598-8), SB-178 (0-2') (680-115598-9), SB-176 (0-2') (680-115598-10), SB-177 (0-2') (680-115598-11) and SB-193 (0-2') (680-115598-12) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW846 Method 8270D. The samples were prepared on 08/14/2015 and analyzed on 08/14/2015, 08/24/2015 and 08/25/2015.

Terphenyl-d14 (Surr) recovered low for SB-177 (0-2') (680-115598-11), SB-199 (0-2') (680-115598-2), DUP-02 (0-2') (680-115598-3), SB-188 (0-2') (680-115598-4), SB-186 (0-2') (680-115598-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Internal standard (ISTD) response for chrysene-d12 for the following samples was outside acceptance criteria: SB-188 (0-2') (680-115598-4), SB-188 (0-2') (680-115598-4[MS]), SB-188 (0-2') (680-115598-4[MSD]), SB-186 (0-2') (680-115598-5) and SB-179 (0-2') (680-115598-7). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

Internal standard (ISTD) response for phenanthrene-d10 and chrysene-d12 for the following samples was outside acceptance criteria: SB-199 (0-2') (680-115598-2), DUP-02 (0-2') (680-115598-3), SB-194 (0-2') (680-115598-8), SB-176 (0-2') (680-115598-10) and SB-177 (0-2') (680-115598-11). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

Samples SB-179 (0-2') (680-115598-7)[10X] and SB-193 (0-2') (680-115598-12)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly and surrogates were diluted out.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS/MOISTURE

Samples SB-173 (0-2') (680-115598-1), SB-199 (0-2') (680-115598-2), DUP-02 (0-2') (680-115598-3), SB-188 (0-2') (680-115598-4), SB-186 (0-2') (680-115598-5), DUP-03 (0-2') (680-115598-6), SB-179 (0-2') (680-115598-7), SB-194 (0-2') (680-115598-8), SB-178 (0-2') (680-115598-9), SB-176 (0-2') (680-115598-10), SB-177 (0-2') (680-115598-11) and SB-193 (0-2') (680-115598-12) were analyzed for Percent Solids/Moisture in accordance with TestAmerica SOP. The samples were analyzed on 08/14/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-173 (0-2')

Date Collected: 08/13/15 09:30
Date Received: 08/13/15 13:15

Lab Sample ID: 680-115598-1

Matrix: Solid
Percent Solids: 90.7

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	0.0079	U	0.036	0.0079	mg/Kg	☼	08/14/15 11:34	08/14/15 19:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*24 - 130*	*08/14/15 11:34*	*08/14/15 19:51*	*1*
2-Fluorobiphenyl (Surr)	*45*		*11 - 130*	*08/14/15 11:34*	*08/14/15 19:51*	*1*
2-Fluorophenol (Surr)	*41*		*10 - 130*	*08/14/15 11:34*	*08/14/15 19:51*	*1*
Terphenyl-d14 (Surr)	*48*		*27 - 130*	*08/14/15 11:34*	*08/14/15 19:51*	*1*
Phenol-d5 (Surr)	*41*		*10 - 130*	*08/14/15 11:34*	*08/14/15 19:51*	*1*
Nitrobenzene-d5 (Surr)	*48*		*18 - 130*	*08/14/15 11:34*	*08/14/15 19:51*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-199 (0-2')

Date Collected: 08/13/15 09:55
Date Received: 08/13/15 13:15

Lab Sample ID: 680-115598-2

Matrix: Solid
Percent Solids: 82.9

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	0.012	J	0.040	0.0087	mg/Kg	☼	08/14/15 11:34	08/24/15 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*24 - 130*	*08/14/15 11:34*	*08/24/15 16:45*	*1*
2-Fluorobiphenyl (Surr)	*52*		*11 - 130*	*08/14/15 11:34*	*08/24/15 16:45*	*1*
2-Fluorophenol (Surr)	*52*		*10 - 130*	*08/14/15 11:34*	*08/24/15 16:45*	*1*
Terphenyl-d14 (Surr)	*16*	** X*	*27 - 130*	*08/14/15 11:34*	*08/24/15 16:45*	*1*
Phenol-d5 (Surr)	*52*		*10 - 130*	*08/14/15 11:34*	*08/24/15 16:45*	*1*
Nitrobenzene-d5 (Surr)	*50*		*18 - 130*	*08/14/15 11:34*	*08/24/15 16:45*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: DUP-02 (0-2')

Lab Sample ID: 680-115598-3

Date Collected: 08/13/15 00:00
Date Received: 08/13/15 13:15

Matrix: Solid
Percent Solids: 86.9

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	0.012	J	0.038	0.0083	mg/Kg	☼	08/14/15 11:34	08/24/15 17:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*24 - 130*	*08/14/15 11:34*	*08/24/15 17:13*	*1*
2-Fluorobiphenyl (Surr)	*53*		*11 - 130*	*08/14/15 11:34*	*08/24/15 17:13*	*1*
2-Fluorophenol (Surr)	*55*		*10 - 130*	*08/14/15 11:34*	*08/24/15 17:13*	*1*
Terphenyl-d14 (Surr)	*11*	** X*	*27 - 130*	*08/14/15 11:34*	*08/24/15 17:13*	*1*
Phenol-d5 (Surr)	*53*		*10 - 130*	*08/14/15 11:34*	*08/24/15 17:13*	*1*
Nitrobenzene-d5 (Surr)	*51*		*18 - 130*	*08/14/15 11:34*	*08/24/15 17:13*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-188 (0-2')

Date Collected: 08/13/15 10:55
Date Received: 08/13/15 13:15

Lab Sample ID: 680-115598-4

Matrix: Solid
Percent Solids: 84.8

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	0.016	J	0.039	0.0085	mg/Kg	☼	08/14/15 11:34	08/14/15 21:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 130*	*08/14/15 11:34*	*08/14/15 21:17*	*1*
2-Fluorobiphenyl (Surr)	*57*		*11 - 130*	*08/14/15 11:34*	*08/14/15 21:17*	*1*
2-Fluorophenol (Surr)	*48*		*10 - 130*	*08/14/15 11:34*	*08/14/15 21:17*	*1*
Terphenyl-d14 (Surr)	*17*	*X **	*27 - 130*	*08/14/15 11:34*	*08/14/15 21:17*	*1*
Phenol-d5 (Surr)	*48*		*10 - 130*	*08/14/15 11:34*	*08/14/15 21:17*	*1*
Nitrobenzene-d5 (Surr)	*57*		*18 - 130*	*08/14/15 11:34*	*08/14/15 21:17*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-186 (0-2')

Lab Sample ID: 680-115598-5

Date Collected: 08/13/15 11:15
Matrix: Solid
Date Received: 08/13/15 13:15
Percent Solids: 87.7

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	0.014	J	0.037	0.0082	mg/Kg	☼	08/14/15 11:34	08/14/15 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*24 - 130*	*08/14/15 11:34*	*08/14/15 21:45*	*1*
2-Fluorobiphenyl (Surr)	*50*		*11 - 130*	*08/14/15 11:34*	*08/14/15 21:45*	*1*
2-Fluorophenol (Surr)	*42*		*10 - 130*	*08/14/15 11:34*	*08/14/15 21:45*	*1*
Terphenyl-d14 (Surr)	*24*	*X **	*27 - 130*	*08/14/15 11:34*	*08/14/15 21:45*	*1*
Phenol-d5 (Surr)	*43*		*10 - 130*	*08/14/15 11:34*	*08/14/15 21:45*	*1*
Nitrobenzene-d5 (Surr)	*50*		*18 - 130*	*08/14/15 11:34*	*08/14/15 21:45*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: DUP-03 (0-2')

Lab Sample ID: 680-115598-6

Date Collected: 08/13/15 00:00
Matrix: Solid
Date Received: 08/13/15 13:15
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	0.026	J	0.040	0.0086	mg/Kg	☼	08/14/15 11:34	08/14/15 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*67*		*24 - 130*	*08/14/15 11:34*	*08/14/15 22:13*	*1*
2-Fluorobiphenyl (Surr)	*51*		*11 - 130*	*08/14/15 11:34*	*08/14/15 22:13*	*1*
2-Fluorophenol (Surr)	*44*		*10 - 130*	*08/14/15 11:34*	*08/14/15 22:13*	*1*
Terphenyl-d14 (Surr)	*54*		*27 - 130*	*08/14/15 11:34*	*08/14/15 22:13*	*1*
Phenol-d5 (Surr)	*44*		*10 - 130*	*08/14/15 11:34*	*08/14/15 22:13*	*1*
Nitrobenzene-d5 (Surr)	*50*		*18 - 130*	*08/14/15 11:34*	*08/14/15 22:13*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-179 (0-2')

Date Collected: 08/13/15 12:25
Date Received: 08/13/15 13:15

Lab Sample ID: 680-115598-7

Matrix: Solid
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	0.082	U	0.38	0.082	mg/Kg	☼	08/14/15 11:34	08/14/15 22:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*08/14/15 11:34*	*08/14/15 22:42*	*10*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*08/14/15 11:34*	*08/14/15 22:42*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*08/14/15 11:34*	*08/14/15 22:42*	*10*
Terphenyl-d14 (Surr)	*0*	** D*	*27 - 130*	*08/14/15 11:34*	*08/14/15 22:42*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*08/14/15 11:34*	*08/14/15 22:42*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*08/14/15 11:34*	*08/14/15 22:42*	*10*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-194 (0-2')

Date Collected: 08/12/15 16:50
Date Received: 08/13/15 13:15

Lab Sample ID: 680-115598-8

Matrix: Solid
Percent Solids: 84.1

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	0.14		0.039	0.0085	mg/Kg	☼	08/14/15 11:34	08/24/15 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*24 - 130*	*08/14/15 11:34*	*08/24/15 18:09*	*1*
2-Fluorobiphenyl (Surr)	*51*		*11 - 130*	*08/14/15 11:34*	*08/24/15 18:09*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 130*	*08/14/15 11:34*	*08/24/15 18:09*	*1*
Terphenyl-d14 (Surr)	*58*		*27 - 130*	*08/14/15 11:34*	*08/24/15 18:09*	*1*
Phenol-d5 (Surr)	*48*		*10 - 130*	*08/14/15 11:34*	*08/24/15 18:09*	*1*
Nitrobenzene-d5 (Surr)	*48*		*18 - 130*	*08/14/15 11:34*	*08/24/15 18:09*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-178 (0-2')

Date Collected: 08/12/15 17:35
Date Received: 08/13/15 13:15

Lab Sample ID: 680-115598-9

Matrix: Solid
Percent Solids: 81.9

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	0.097		0.040	0.0088	mg/Kg	☼	08/14/15 11:34	08/14/15 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*83*		*24 - 130*	*08/14/15 11:34*	*08/14/15 23:39*	*1*
2-Fluorobiphenyl (Surr)	*58*		*11 - 130*	*08/14/15 11:34*	*08/14/15 23:39*	*1*
2-Fluorophenol (Surr)	*49*		*10 - 130*	*08/14/15 11:34*	*08/14/15 23:39*	*1*
Terphenyl-d14 (Surr)	*39*		*27 - 130*	*08/14/15 11:34*	*08/14/15 23:39*	*1*
Phenol-d5 (Surr)	*50*		*10 - 130*	*08/14/15 11:34*	*08/14/15 23:39*	*1*
Nitrobenzene-d5 (Surr)	*57*		*18 - 130*	*08/14/15 11:34*	*08/14/15 23:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-176 (0-2')

Lab Sample ID: 680-115598-10
Date Collected: 08/13/15 10:40
Matrix: Solid
Date Received: 08/13/15 13:15
Percent Solids: 86.6

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	0.0083	U	0.038	0.0083	mg/Kg	☼	08/14/15 11:34	08/24/15 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*43*		*24 - 130*	*08/14/15 11:34*	*08/24/15 18:37*	*1*
2-Fluorobiphenyl (Surr)	*36*		*11 - 130*	*08/14/15 11:34*	*08/24/15 18:37*	*1*
2-Fluorophenol (Surr)	*37*		*10 - 130*	*08/14/15 11:34*	*08/24/15 18:37*	*1*
Terphenyl-d14 (Surr)	*41*		*27 - 130*	*08/14/15 11:34*	*08/24/15 18:37*	*1*
Phenol-d5 (Surr)	*35*		*10 - 130*	*08/14/15 11:34*	*08/24/15 18:37*	*1*
Nitrobenzene-d5 (Surr)	*34*		*18 - 130*	*08/14/15 11:34*	*08/24/15 18:37*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-177 (0-2')

Date Collected: 08/13/15 11:20
Date Received: 08/13/15 13:15

Lab Sample ID: 680-115598-11

Matrix: Solid
Percent Solids: 81.1

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	0.041		0.040	0.0088	mg/Kg	☼	08/14/15 11:34	08/24/15 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*47*		*24 - 130*	*08/14/15 11:34*	*08/24/15 19:05*	*1*
2-Fluorobiphenyl (Surr)	*39*		*11 - 130*	*08/14/15 11:34*	*08/24/15 19:05*	*1*
2-Fluorophenol (Surr)	*38*		*10 - 130*	*08/14/15 11:34*	*08/24/15 19:05*	*1*
Terphenyl-d14 (Surr)	*16*	** X*	*27 - 130*	*08/14/15 11:34*	*08/24/15 19:05*	*1*
Phenol-d5 (Surr)	*37*		*10 - 130*	*08/14/15 11:34*	*08/24/15 19:05*	*1*
Nitrobenzene-d5 (Surr)	*32*		*18 - 130*	*08/14/15 11:34*	*08/24/15 19:05*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-193 (0-2')

Date Collected: 08/13/15 12:20
Date Received: 08/13/15 13:15

Lab Sample ID: 680-115598-12

Matrix: Solid
Percent Solids: 81.1

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	0.43		0.41	0.089	mg/Kg	☼	08/14/15 11:34	08/25/15 16:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*0*	*D*	*24 - 130*	*08/14/15 11:34*	*08/25/15 16:46*	*10*
2-Fluorobiphenyl (Surr)	*0*	*D*	*11 - 130*	*08/14/15 11:34*	*08/25/15 16:46*	*10*
2-Fluorophenol (Surr)	*0*	*D*	*10 - 130*	*08/14/15 11:34*	*08/25/15 16:46*	*10*
Terphenyl-d14 (Surr)	*0*	*D*	*27 - 130*	*08/14/15 11:34*	*08/25/15 16:46*	*10*
Phenol-d5 (Surr)	*0*	*D*	*10 - 130*	*08/14/15 11:34*	*08/25/15 16:46*	*10*
Nitrobenzene-d5 (Surr)	*0*	*D*	*18 - 130*	*08/14/15 11:34*	*08/25/15 16:46*	*10*

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-396145/13-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396052 — **Prep Batch: 396145**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0071	U	0.033	0.0071	mg/Kg		08/14/15 11:34	08/14/15 16:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*24 - 130*	*08/14/15 11:34*	*08/14/15 16:59*	*1*
2-Fluorobiphenyl (Surr)	*54*		*11 - 130*	*08/14/15 11:34*	*08/14/15 16:59*	*1*
2-Fluorophenol (Surr)	*48*		*10 - 130*	*08/14/15 11:34*	*08/14/15 16:59*	*1*
Terphenyl-d14 (Surr)	*49*		*27 - 130*	*08/14/15 11:34*	*08/14/15 16:59*	*1*
Phenol-d5 (Surr)	*46*		*10 - 130*	*08/14/15 11:34*	*08/14/15 16:59*	*1*
Nitrobenzene-d5 (Surr)	*55*		*18 - 130*	*08/14/15 11:34*	*08/14/15 16:59*	*1*

Lab Sample ID: LCS 680-396145/14-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396052 — **Prep Batch: 396145**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.330	0.135		mg/Kg		41	10 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*57*		*24 - 130*
2-Fluorobiphenyl (Surr)	*44*		*11 - 130*
2-Fluorophenol (Surr)	*40*		*10 - 130*
Terphenyl-d14 (Surr)	*40*		*27 - 130*
Phenol-d5 (Surr)	*39*		*10 - 130*
Nitrobenzene-d5 (Surr)	*45*		*18 - 130*

Lab Sample ID: 680-115598-4 MS — **Client Sample ID: SB-188 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396052 — **Prep Batch: 396145**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.016	J	0.370	0.203		mg/Kg	☼	51	10 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 130*
2-Fluorobiphenyl (Surr)	*55*		*11 - 130*
2-Fluorophenol (Surr)	*49*		*10 - 130*
Terphenyl-d14 (Surr)	*19*	*X **	*27 - 130*
Phenol-d5 (Surr)	*50*		*10 - 130*
Nitrobenzene-d5 (Surr)	*57*		*18 - 130*

Lab Sample ID: 680-115598-4 MSD — **Client Sample ID: SB-188 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396052 — **Prep Batch: 396145**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.016	J	0.381	0.213		mg/Kg	☼	52	10 - 130	5	50

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-115598-4 MSD — **Client Sample ID: SB-188 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 396052 — **Prep Batch: 396145**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	81		24 - 130
2-Fluorobiphenyl (Surr)	58		11 - 130
2-Fluorophenol (Surr)	50		10 - 130
Terphenyl-d14 (Surr)	35	*	27 - 130
Phenol-d5 (Surr)	51		10 - 130
Nitrobenzene-d5 (Surr)	59		18 - 130

Lab Sample ID: 680-115598-10 MS — **Client Sample ID: SB-176 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 397729 — **Prep Batch: 396145**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.0083	U	0.393	0.142		mg/Kg	☼	36	10 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	45		24 - 130
2-Fluorobiphenyl (Surr)	37		11 - 130
2-Fluorophenol (Surr)	37		10 - 130
Terphenyl-d14 (Surr)	46		27 - 130
Phenol-d5 (Surr)	35		10 - 130
Nitrobenzene-d5 (Surr)	35		18 - 130

Lab Sample ID: 680-115598-10 MSD — **Client Sample ID: SB-176 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 397729 — **Prep Batch: 396145**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.0083	U	0.388	0.184		mg/Kg	☼	48	10 - 130	26	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	59		24 - 130
2-Fluorobiphenyl (Surr)	49		11 - 130
2-Fluorophenol (Surr)	47		10 - 130
Terphenyl-d14 (Surr)	60		27 - 130
Phenol-d5 (Surr)	46		10 - 130
Nitrobenzene-d5 (Surr)	44		18 - 130

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

GC/MS Semi VOA

Analysis Batch: 396052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115598-1	SB-173 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-4	SB-188 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-4 MS	SB-188 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-4 MSD	SB-188 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-5	SB-186 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-6	DUP-03 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-7	SB-179 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-9	SB-178 (0-2')	Total/NA	Solid	8270D LL	396145
LCS 680-396145/14-A	Lab Control Sample	Total/NA	Solid	8270D LL	396145
MB 680-396145/13-A	Method Blank	Total/NA	Solid	8270D LL	396145

Prep Batch: 396145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115598-1	SB-173 (0-2')	Total/NA	Solid	3546	
680-115598-2	SB-199 (0-2')	Total/NA	Solid	3546	
680-115598-3	DUP-02 (0-2')	Total/NA	Solid	3546	
680-115598-4	SB-188 (0-2')	Total/NA	Solid	3546	
680-115598-4 MS	SB-188 (0-2')	Total/NA	Solid	3546	
680-115598-4 MSD	SB-188 (0-2')	Total/NA	Solid	3546	
680-115598-5	SB-186 (0-2')	Total/NA	Solid	3546	
680-115598-6	DUP-03 (0-2')	Total/NA	Solid	3546	
680-115598-7	SB-179 (0-2')	Total/NA	Solid	3546	
680-115598-8	SB-194 (0-2')	Total/NA	Solid	3546	
680-115598-9	SB-178 (0-2')	Total/NA	Solid	3546	
680-115598-10	SB-176 (0-2')	Total/NA	Solid	3546	
680-115598-10 MS	SB-176 (0-2')	Total/NA	Solid	3546	
680-115598-10 MSD	SB-176 (0-2')	Total/NA	Solid	3546	
680-115598-11	SB-177 (0-2')	Total/NA	Solid	3546	
680-115598-12	SB-193 (0-2')	Total/NA	Solid	3546	
LCS 680-396145/14-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-396145/13-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 397729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115598-2	SB-199 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-3	DUP-02 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-8	SB-194 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-10	SB-176 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-10 MS	SB-176 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-10 MSD	SB-176 (0-2')	Total/NA	Solid	8270D LL	396145
680-115598-11	SB-177 (0-2')	Total/NA	Solid	8270D LL	396145

Analysis Batch: 397928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115598-12	SB-193 (0-2')	Total/NA	Solid	8270D LL	396145

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

General Chemistry

Analysis Batch: 396061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115598-1	SB-173 (0-2')	Total/NA	Solid	Moisture	
680-115598-2	SB-199 (0-2')	Total/NA	Solid	Moisture	
680-115598-3	DUP-02 (0-2')	Total/NA	Solid	Moisture	
680-115598-4	SB-188 (0-2')	Total/NA	Solid	Moisture	
680-115598-4 MS	SB-188 (0-2')	Total/NA	Solid	Moisture	
680-115598-4 MSD	SB-188 (0-2')	Total/NA	Solid	Moisture	
680-115598-5	SB-186 (0-2')	Total/NA	Solid	Moisture	
680-115598-6	DUP-03 (0-2')	Total/NA	Solid	Moisture	
680-115598-7	SB-179 (0-2')	Total/NA	Solid	Moisture	
680-115598-8	SB-194 (0-2')	Total/NA	Solid	Moisture	
680-115598-9	SB-178 (0-2')	Total/NA	Solid	Moisture	
680-115598-10	SB-176 (0-2')	Total/NA	Solid	Moisture	
680-115598-10 MS	SB-176 (0-2')	Total/NA	Solid	Moisture	
680-115598-10 MSD	SB-176 (0-2')	Total/NA	Solid	Moisture	
680-115598-11	SB-177 (0-2')	Total/NA	Solid	Moisture	
680-115598-12	SB-193 (0-2')	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-173 (0-2')
Lab Sample ID: 680-115598-1
Date Collected: 08/13/15 09:30
Matrix: Solid
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-173 (0-2')
Lab Sample ID: 680-115598-1
Date Collected: 08/13/15 09:30
Matrix: Solid
Date Received: 08/13/15 13:15
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.17 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.17 g	1 mL	396052	08/14/15 19:51	NED	TAL SAV

Client Sample ID: SB-199 (0-2')
Lab Sample ID: 680-115598-2
Date Collected: 08/13/15 09:55
Matrix: Solid
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-199 (0-2')
Lab Sample ID: 680-115598-2
Date Collected: 08/13/15 09:55
Matrix: Solid
Date Received: 08/13/15 13:15
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			29.93 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	29.93 g	1 mL	397729	08/24/15 16:45	NED	TAL SAV

Client Sample ID: DUP-02 (0-2')
Lab Sample ID: 680-115598-3
Date Collected: 08/13/15 00:00
Matrix: Solid
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: DUP-02 (0-2')
Lab Sample ID: 680-115598-3
Date Collected: 08/13/15 00:00
Matrix: Solid
Date Received: 08/13/15 13:15
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.05 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.05 g	1 mL	397729	08/24/15 17:13	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-188 (0-2')
Lab Sample ID: 680-115598-4
Date Collected: 08/13/15 10:55
Matrix: Solid
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-188 (0-2')
Lab Sample ID: 680-115598-4
Date Collected: 08/13/15 10:55
Matrix: Solid
Date Received: 08/13/15 13:15
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.90 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	29.90 g	1 mL	396052	08/14/15 21:17	NED	TAL SAV

Client Sample ID: SB-186 (0-2')
Lab Sample ID: 680-115598-5
Date Collected: 08/13/15 11:15
Matrix: Solid
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-186 (0-2')
Lab Sample ID: 680-115598-5
Date Collected: 08/13/15 11:15
Matrix: Solid
Date Received: 08/13/15 13:15
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			30.18 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.18 g	1 mL	396052	08/14/15 21:45	NED	TAL SAV

Client Sample ID: DUP-03 (0-2')
Lab Sample ID: 680-115598-6
Date Collected: 08/13/15 00:00
Matrix: Solid
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: DUP-03 (0-2')
Lab Sample ID: 680-115598-6
Date Collected: 08/13/15 00:00
Matrix: Solid
Date Received: 08/13/15 13:15
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			29.91 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	29.91 g	1 mL	396052	08/14/15 22:13	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-179 (0-2') — Lab Sample ID: 680-115598-7

Date Collected: 08/13/15 12:25 — **Matrix: Solid**
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-179 (0-2') — Lab Sample ID: 680-115598-7

Date Collected: 08/13/15 12:25 — **Matrix: Solid**
Date Received: 08/13/15 13:15 — **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	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		10	30.43 g	1 mL	396052	08/14/15 22:42	NED	TAL SAV

Client Sample ID: SB-194 (0-2') — Lab Sample ID: 680-115598-8

Date Collected: 08/12/15 16:50 — **Matrix: Solid**
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-194 (0-2') — Lab Sample ID: 680-115598-8

Date Collected: 08/12/15 16:50 — **Matrix: Solid**
Date Received: 08/13/15 13:15 — **Percent Solids: 84.1**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.39 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.39 g	1 mL	397729	08/24/15 18:09	NED	TAL SAV

Client Sample ID: SB-178 (0-2') — Lab Sample ID: 680-115598-9

Date Collected: 08/12/15 17:35 — **Matrix: Solid**
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-178 (0-2') — Lab Sample ID: 680-115598-9

Date Collected: 08/12/15 17:35 — **Matrix: Solid**
Date Received: 08/13/15 13:15 — **Percent Solids: 81.9**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.11 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.11 g	1 mL	396052	08/14/15 23:39	NED	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Client Sample ID: SB-176 (0-2')
Lab Sample ID: 680-115598-10
Date Collected: 08/13/15 10:40
Matrix: Solid
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-176 (0-2')
Lab Sample ID: 680-115598-10
Date Collected: 08/13/15 10:40
Matrix: Solid
Date Received: 08/13/15 13:15
Percent Solids: 86.6

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	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.15 g	1 mL	397729	08/24/15 18:37	NED	TAL SAV

Client Sample ID: SB-177 (0-2')
Lab Sample ID: 680-115598-11
Date Collected: 08/13/15 11:20
Matrix: Solid
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-177 (0-2')
Lab Sample ID: 680-115598-11
Date Collected: 08/13/15 11:20
Matrix: Solid
Date Received: 08/13/15 13:15
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.37 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.37 g	1 mL	397729	08/24/15 19:05	NED	TAL SAV

Client Sample ID: SB-193 (0-2')
Lab Sample ID: 680-115598-12
Date Collected: 08/13/15 12:20
Matrix: Solid
Date Received: 08/13/15 13:15

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			396061	08/14/15 08:16	FES	TAL SAV

Client Sample ID: SB-193 (0-2')
Lab Sample ID: 680-115598-12
Date Collected: 08/13/15 12:20
Matrix: Solid
Date Received: 08/13/15 13:15
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.99 g	1 mL	396145	08/14/15 11:34	JMV	TAL SAV
Total/NA	Analysis	8270D LL		10	29.99 g	1 mL	397928	08/25/15 16:46	NED	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 (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Mark Myers	Lab PM: Smith, Kathryn E	Carrier Tracking No(s):	COC No: 680-66644-28572.6
Client Contact: Mr. David Wilderman, P.G.	Phone: 404-518-6714	E-Mail: kathy.smith@testamericainc.com		Page: Page 6 of 6
Company: ARCADIS U.S., Inc.				Job #
Address: 2410 Paces Ferry Road Suite 400	Due Date Requested:			
City: Atlanta	TAT Requested (days): Standard			
State, Zip: GA, 30339				
Phone: 770-428-9009(Tel)	PO #: 4501696543			
Email: dwilderman@arcadis-us.com	WO #			
Project Name: Hercules Savannah	Project #: 68001205			
Site:	SSOW#:			

Analysis Requested

Sample Identification	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)	8270D - (MOD) 1,1-Biphenyl Only	1668C - Full List (209 Comb/Coel)	8081B_8082A - (MOD) Appendix 9	8270D_LL - (MOD) Custom Sublist	1668C, 8290A	8081B_8082A - (MOD) Routine PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Codes:											
SB-173 (0-2)	8-13-15	0950	G	S ~~Water~~	N	N	X							
SB-199 (0-2)	8-13-15	0955	G	S ~~Water~~	N	N	X							
DUP-02 (0-2)	8-13-15	—	G	S ~~Water~~	N	N	X							
SB-188 (0-2)	8-13-15	1055	G	S	N	Y	X							MS/MSD
SB-186 (0-2)	8-13-15	1115	G	S	N	N	X							
DUP-03 (0-2)	8-13-15	—	G	S	N	N	X							
SB-179 (0-2)	8-13-15	1225	G	S	N	N	X							

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

680-115598 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Mark Myers	8-13-15 / 1315	ARCADIS	[illegible] Banda	08-13-15 1315	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: 680-115598 4.6(F)5.0

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	Sampler: JUSTIN RADFORD	Lab PM: Smith, Kathryn E	Carrier Tracking No(s):	COC No: 680-66644-28572.2
Client Contact: Mr. David Wilderman, P G	Phone: 678 314 4358	E-Mail: kathy.smith@testamericainc.com		Page: Page 2 of 6
Company: ARCADIS U.S., Inc.				Job #
Address: 2410 Paces Ferry Road Suite 400	Due Date Requested:			
City: Atlanta	TAT Requested (days): STANDARD			
State, Zip: GA, 30339				
Phone: 770-428-9009(Tel)	PO # 4501696543			
Email: dwilderman@arcadis-us.com	WO #			
Project Name: Hercules Savannah	Project # 68001205			
Site:	SSOW#			

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 - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Analysis Requested

Sample Identification	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)	8270D - (MOD) 1,1-Biphenyl Only	1668C - Full List (209 Comb/Coel)	8081B_8082A - (MOD) Appendix 9	8270D_LL - (MOD) Custom Sublist	1668C, 8290A	8081B_8082A - (MOD) Routine PCBs	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
SB-194(0-2')	8/12/15	1650	G	Solid	N	N	X							
SB-178(0-2')	8/12/15	1735	G	Solid	N	N	X							
SB-176(0-2')	8/13/15	1040	G	Solid	N	N	X							MS/MSD TAKEN
SB-177(0-2')	8/13/15	1120	G	Solid	N	N	X							
SB-193(0-2')	8/13/15	1220	G	Solid	N	N	X							
				Solid										
				Solid										
				Solid										
				Solid										
				Solid										
				Solid										

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Mark Ryan	Date/Time: 8-13-15 / 1515	Company: ARCADIS	Received by: [illegible]	Date/Time: 8/13/15	Company: BIS 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: 680-115598		4.6(cf) 5.0°C

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-115598-1

Login Number: 115598
List Number: 1
Creator: Banda, Christy S

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.	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	

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115598-1

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-17
A2LA	ISO/IEC 17025		399.01	02-28-17
Alabama	State Program	4	41450	06-30-15 *
Arkansas DEQ	State Program	6	88-0692	01-31-16
California	State Program	9	2939	07-31-16
Colorado	State Program	8	N/A	12-31-15
Connecticut	State Program	1	PH-0161	03-31-17
Florida	NELAP	4	E87052	06-30-16
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	803	06-30-16
Guam	State Program	9	14-004r	04-16-16
Hawaii	State Program	9	N/A	06-30-16
Illinois	NELAP	5	200022	11-30-15
Indiana	State Program	5	N/A	06-30-15 *
Iowa	State Program	7	353	06-30-17
Kentucky (DW)	State Program	4	90084	12-31-15
Kentucky (UST)	State Program	4	18	06-30-16
Kentucky (WW)	State Program	4	90084	12-31-15
Louisiana	NELAP	6	30690	06-30-16
Louisiana (DW)	NELAP	6	LA150014	12-31-15
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-15
Massachusetts	State Program	1	M-GA006	06-30-16
Michigan	State Program	5	9925	03-05-16
Mississippi	State Program	4	N/A	06-30-15 *
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-16
New Jersey	NELAP	2	GA769	09-30-15
New Mexico	State Program	6	N/A	06-30-16
New York	NELAP	2	10842	03-31-16
North Carolina (DW)	State Program	4	13701	07-31-16
North Carolina (WW/SW)	State Program	4	269	12-31-15
Oklahoma	State Program	6	9984	08-31-15 *
Pennsylvania	NELAP	3	68-00474	06-30-16
Puerto Rico	State Program	2	GA00006	12-31-15
South Carolina	State Program	4	98001	06-30-15 *
Tennessee	State Program	4	TN02961	06-30-16
Texas	NELAP	6	T104704185-14-7	11-30-15
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-16
Washington	State Program	10	C805	06-10-16
West Virginia (DW)	State Program	3	9950C	12-31-15
West Virginia DEP	State Program	3	094	06-30-16
Wisconsin	State Program	5	999819810	08-31-15 *
Wyoming	State Program	8	8TMS-L	06-30-16

* Certification renewal pending - 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: 680-115653-1
Client Project/Site: Hercules Savannah
Revision: 1

For:
ARCADIS U.S., Inc.
2410 Paces Ferry Road
Suite 400
Atlanta, Georgia 30339

Attn: Chris Miller

Kathryn Smith

Authorized for release by:
1/4/2016 4:12:33 PM

Kathryn Smith, Project Manager II
(912)354-7858
kathy.smith@testamericainc.com

LINKS

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Visit us at: www.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.

Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Qualifiers

GC/MS Semi VOA

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.

GC Semi VOA

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.
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.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

Dioxin

Qualifier	Qualifier Description
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.
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.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

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
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
9045D	pH	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.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-115653-1	SB-206 (0-2')	Solid	08/13/15 14:35	08/14/15 13:35
680-115653-2	SB-205 (0-2')	Solid	08/13/15 15:10	08/14/15 13:35
680-115653-3	SB-201 (0-2')	Solid	08/13/15 16:00	08/14/15 13:35
680-115653-4	SB-201 (2-4")	Solid	08/13/15 16:20	08/14/15 13:35
680-115653-6	SB-204 (0-2')	Solid	08/13/15 13:20	08/14/15 13:35
680-115653-7	SB-207 (0-2')	Solid	08/13/15 14:40	08/14/15 13:35
680-115653-8	SB-200 (0-2')	Solid	08/13/15 16:45	08/14/15 13:35
680-115653-9	SB-200 (2-4')	Solid	08/13/15 16:50	08/14/15 13:35
680-115653-10	EB-02 (081315)	Water	08/13/15 17:00	08/14/15 13:35
680-115653-11	SB-161 (0-2')	Solid	08/13/15 18:20	08/14/15 13:35
680-115653-12	SB-163 (0-2')	Solid	08/13/15 19:00	08/14/15 13:35
680-115653-13	SB-162 (0-2')	Solid	08/13/15 19:45	08/14/15 13:35
680-115653-14	DUP-04 (0-2')	Solid	08/13/15 00:00	08/14/15 13:35
680-115653-15	SB-203 (0-2')	Solid	08/14/15 10:15	08/14/15 13:35
680-115653-16	SB-202 (0-2')	Solid	08/14/15 11:05	08/14/15 13:35
680-115653-17	SB-184 (0-2')	Solid	08/14/15 12:10	08/14/15 13:35
680-115653-18	SB-185 (0-2')	Solid	08/14/15 12:40	08/14/15 13:35
680-115653-19	SB-183 (0-2')	Solid	08/14/15 13:00	08/14/15 13:35
680-115653-20	SB-182 (0-2')	Solid	08/14/15 13:15	08/14/15 13:35

Job ID: 680-115653-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: ARCADIS U.S., Inc.
Project: Hercules Savannah

Report Number: 680-115653-1

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 08/14/2015; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 5.2º C and 5.8º C.

Sample EB-01 (081115) for Semivolatile Organic Compounds by 8270D was cancelled on 08/14/15 per the client's request.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL

Samples SB-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-161 (0-2') (680-115653-11), SB-163 (0-2') (680-115653-12), SB-162 (0-2') (680-115653-13) and DUP-04 (0-2') (680-115653-14) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW846 Method 8270D. The samples were prepared on 08/20/2015 and analyzed on 08/28/2015 and 08/29/2015.

Samples SB-206 (0-2') (680-115653-1)[5X], SB-161 (0-2') (680-115653-11)[5X], SB-163 (0-2') (680-115653-12)[5X], SB-162 (0-2') (680-115653-13)[5X] and DUP-04 (0-2') (680-115653-14)[5X] 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.

PESTICIDES AND PCBS

Samples SB-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-201 (0-2') (680-115653-3), SB-201 (2-4") (680-115653-4), SB-204 (0-2') (680-115653-6), SB-207 (0-2') (680-115653-7), SB-200 (0-2') (680-115653-8), SB-200 (2-4') (680-115653-9), SB-203 (0-2') (680-115653-15) and SB-202 (0-2') (680-115653-16) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 08/20/2015 and analyzed on 08/21/2015 and 08/22/2015.

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-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-201 (0-2') (680-115653-3), SB-201 (2-4") (680-115653-4), SB-204 (0-2') (680-115653-6), SB-207 (0-2') (680-115653-7), SB-200 (0-2') (680-115653-8), SB-200 (2-4') (680-115653-9), SB-203 (0-2') (680-115653-15), SB-202 (0-2') (680-115653-16), (680-115653-B-1 MS) and (680-115653-B-1 MSD).

The following samples required a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: SB-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-201 (0-2') (680-115653-3), SB-201 (2-4") (680-115653-4), SB-204 (0-2') (680-115653-6), SB-207 (0-2') (680-115653-7), SB-200 (0-2') (680-115653-8), SB-200 (2-4') (680-115653-9), SB-203 (0-2') (680-115653-15), SB-202 (0-2') (680-115653-16), (680-115653-B-1 MS) and (680-115653-B-1 MSD).

Samples SB-204 (0-2') (680-115653-6)[10X] and SB-202 (0-2') (680-115653-16)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly and surrogates were diluted out.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Job ID: 680-115653-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

PESTICIDES AND PCBS

Sample EB-02 (081315) (680-115653-10) was analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 08/18/2015 and analyzed on 08/20/2015.

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.

CHLORINATED BIPHENYL CONGENERS

Samples SB-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-201 (0-2') (680-115653-3), SB-201 (2-4") (680-115653-4), SB-204 (0-2') (680-115653-6), SB-207 (0-2') (680-115653-7), SB-200 (0-2') (680-115653-8), SB-200 (2-4') (680-115653-9), SB-203 (0-2') (680-115653-15) and SB-202 (0-2') (680-115653-16) were analyzed for chlorinated biphenyl congeners in accordance with epa method 1668C. The samples were prepared on 08/17/2015 and analyzed on 08/24/2015, 08/25/2015 and 08/26/2015.

Several analytes were detected in method blank MB 320-83124/1-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-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-201 (0-2') (680-115653-3), SB-201 (2-4") (680-115653-4), SB-204 (0-2') (680-115653-6), SB-207 (0-2') (680-115653-7), SB-200 (0-2') (680-115653-8), SB-200 (2-4') (680-115653-9), SB-203 (0-2') (680-115653-15) and SB-202 (0-2') (680-115653-16) . 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-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-201 (0-2') (680-115653-3), SB-204 (0-2') (680-115653-6), SB-207 (0-2') (680-115653-7) and SB-202 (0-2') (680-115653-16). 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.

Samples SB-201 (0-2') (680-115653-3)[20X], SB-204 (0-2') (680-115653-6)[20X], SB-207 (0-2') (680-115653-7)[20X], SB-200 (0-2') (680-115653-8)[20X], SB-200 (2-4') (680-115653-9)[10X], SB-203 (0-2') (680-115653-15)[20X] and SB-202 (0-2') (680-115653-16)[20X] 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

Sample EB-02 (081315) (680-115653-10) was analyzed for chlorinated biphenyl congeners in accordance with EPA method 1668C. The samples were prepared on 08/18/2015 and analyzed on 08/20/2015.

Several analytes were detected in method blank MB 320-83158/1-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-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-201 (0-2') (680-115653-3), SB-201 (2-4") (680-115653-4), SB-204 (0-2') (680-115653-6), SB-207 (0-2') (680-115653-7), SB-200 (0-2') (680-115653-8), SB-200 (2-4') (680-115653-9), SB-203 (0-2') (680-115653-15) and SB-202 (0-2') (680-115653-16) were analyzed for dioxins and furans in accordance with EPA Method 8290A. The samples were prepared on 08/17/2015 and analyzed on 08/27/2015, 09/01/2015 and 09/04/2015.

OCDD, OCDF and Total HpCDD were detected in method blank MB 320-83133/1-A at levels that were above the method detection limit but

Job ID: 680-115653-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

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-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-201 (0-2') (680-115653-3), SB-201 (2-4") (680-115653-4), SB-200 (0-2') (680-115653-8), SB-200 (2-4') (680-115653-9) and SB-203 (0-2') (680-115653-15) . 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-206 (0-2') (680-115653-1), SB-205 (0-2') (680-115653-2), SB-201 (0-2') (680-115653-3), SB-200 (0-2') (680-115653-8) and SB-200 (2-4') (680-115653-9). 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.

Sample SB-202 (0-2') (680-115653-16)[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

Sample EB-02 (081315) (680-115653-10) was analyzed for dioxins and furans in accordance with EPA SW-846 8290A. The samples were prepared on 08/18/2015 and analyzed on 08/24/2015.

1,2,3,4,6,7,8-HpCDD, OCDD and Total HpCDD were detected in method blank MB 320-83157/1-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 EB-02 (081315) (680-115653-10) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 1668. The samples were analyzed on 09/11/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

CORROSIVITY (PH)

Samples SB-184 (0-2') (680-115653-17), SB-185 (0-2') (680-115653-18), SB-183 (0-2') (680-115653-19) and SB-182 (0-2') (680-115653-20) were analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 08/17/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-206 (0-2')

Date Collected: 08/13/15 14:35
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-1

Matrix: Solid
Percent Solids: 87.5

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	0.047	U	0.38	0.047	mg/Kg	☼	08/20/15 12:20	08/28/15 22:55	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*74*		*24 - 130*	*08/20/15 12:20*	*08/28/15 22:55*	*5*
2-Fluorobiphenyl (Surr)	*78*		*11 - 130*	*08/20/15 12:20*	*08/28/15 22:55*	*5*
2-Fluorophenol (Surr)	*66*		*10 - 130*	*08/20/15 12:20*	*08/28/15 22:55*	*5*
Terphenyl-d14 (Surr)	*66*		*27 - 130*	*08/20/15 12:20*	*08/28/15 22:55*	*5*
Phenol-d5 (Surr)	*71*		*10 - 130*	*08/20/15 12:20*	*08/28/15 22:55*	*5*
Nitrobenzene-d5 (Surr)	*73*		*18 - 130*	*08/20/15 12:20*	*08/28/15 22:55*	*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	**0.015**	**J**	0.038	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 22:26	1
PCB-1260	0.011	U	0.038	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 22:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*54 - 133*	*08/20/15 12:20*	*08/21/15 22:26*	*1*
Tetrachloro-m-xylene	*91*		*46 - 130*	*08/20/15 12:20*	*08/21/15 22:26*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.00013**		0.000023	0.00000072	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-2	**0.00016**		0.000023	0.00000073	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-3	**0.000039**		0.000023	0.00000067	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-4	0.0000083	U	0.000023	0.0000083	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-5	0.0000053	U	0.000023	0.0000053	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-6	0.0000051	U	0.000023	0.0000051	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-7	0.0000048	U	0.000023	0.0000048	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-8	0.0000045	U	0.000023	0.0000045	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-9	0.0000058	U	0.000023	0.0000058	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-10	0.0000048	U	0.000023	0.0000048	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-11	0.0000053	U	0.000023	0.0000053	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-12/13	0.0000051	U	0.000045	0.0000051	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-14	0.0000045	U	0.000023	0.0000045	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-15	0.0000051	U	0.000023	0.0000051	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-16	**0.000020**	**J**	0.000023	0.00000077	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-17	**0.000017**	**J B**	0.000023	0.00000065	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-18/30	**0.000035**	**J**	0.000045	0.00000057	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-19	**0.0000072**	**J q**	0.000023	0.00000082	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-20/28	**0.000038**	**J B**	0.000045	0.0000028	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-21/33	**0.000024**	**J**	0.000045	0.0000025	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-22	**0.000016**	**J**	0.000023	0.0000030	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-23	0.0000026	U	0.000023	0.0000026	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-24	**0.00000093**	**J q**	0.000023	0.00000051	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1

Client Sample ID: SB-206 (0-2')

Date Collected: 08/13/15 14:35
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-1

Matrix: Solid
Percent Solids: 87.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-25	0.0000026	U	0.000023	0.0000026	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-26/29	**0.0000097**	**J**	0.000045	0.0000027	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-27	**0.0000034**	**J**	0.000023	0.00000052	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-31	**0.000062**	**B**	0.000023	0.0000026	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-32	**0.000012**	**J B**	0.000023	0.00000046	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-34	0.0000029	U	0.000023	0.0000029	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-35	0.0000030	U	0.000023	0.0000030	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-36	**0.000014**	**J**	0.000023	0.0000028	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-37	**0.000016**	**J**	0.000023	0.0000031	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-38	0.0000029	U	0.000023	0.0000029	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-39	0.0000027	U	0.000023	0.0000027	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-40/71	**0.00014**	**B**	0.000045	0.0000035	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-41	0.0000043	U	0.000023	0.0000043	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-42	**0.000058**	**B**	0.000023	0.0000035	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-43	0.0000039	U	0.000023	0.0000039	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-44/47/65	**0.0011**	**B**	0.000068	0.0000035	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-45	0.0000045	U	0.000023	0.0000045	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-46	0.0000044	U	0.000023	0.0000044	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-48	**0.000040**		0.000023	0.0000035	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-49/69	**0.00046**	**B**	0.000045	0.0000031	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-50/53	**0.000060**	**B**	0.000045	0.0000037	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-51	0.0000035	U	0.000023	0.0000035	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-52	**0.0035**	**B**	0.000023	0.0000040	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-54	0.00000021	U	0.000023	0.00000021	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-55	0.0000075	U	0.000023	0.0000075	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-56	**0.00026**		0.000023	0.0000092	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-57	**0.00012**		0.000023	0.0000087	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-58	0.0000085	U	0.000023	0.0000085	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-59/62/75	0.0000027	U	0.000068	0.0000027	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-60	**0.000094**		0.000023	0.0000082	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-61/70/74/76	**0.0025**	**B**	0.000091	0.0000083	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-63	**0.000020**	**J B**	0.000023	0.0000080	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-64	**0.00027**		0.000023	0.0000024	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-66	**0.00059**	**B**	0.000023	0.0000096	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-67	0.0000079	U	0.000023	0.0000079	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-68	0.0000076	U	0.000023	0.0000076	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-72	0.0000082	U	0.000023	0.0000082	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-73	0.0000029	U	0.000023	0.0000029	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-77	**0.000070**	**G**	0.0000087	0.0000087	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-78	**0.000032**		0.000023	0.0000093	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-79	**0.00012**		0.000023	0.0000088	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-80	0.0000078	U	0.000023	0.0000078	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-81	**0.000034**	**G**	0.0000090	0.0000090	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-82	**0.0010**	**G**	0.000089	0.000089	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-83	**0.00044**	**G**	0.00011	0.00011	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-84	**0.0020**	**G B**	0.000089	0.000089	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-85/116/117	**0.0013**	**B**	0.000068	0.000066	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1

Client Sample ID: SB-206 (0-2')

Date Collected: 08/13/15 14:35
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-1

Matrix: Solid
Percent Solids: 87.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-86/87/97/108/119/125	**0.0061**	**B**	0.00014	0.000068	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-88/91	**0.00079**	**G B**	0.000078	0.000078	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-89	0.000085	U G	0.000085	0.000085	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-90/101/113	**0.0087**	**B**	0.000068	0.000068	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-92	**0.0016**	**G B**	0.000081	0.000081	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-93/100	0.000079	U G	0.000079	0.000079	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-107/124	**0.00040**	**G**	0.000062	0.000062	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-94	0.000083	U G	0.000083	0.000083	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-95	**0.0045**	**G B**	0.000082	0.000082	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-96	**0.000028**		0.000023	0.00000014	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-98/102	0.000072	U G	0.000072	0.000072	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-99	**0.0034**	**G B**	0.000074	0.000074	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-103	0.000074	U G	0.000074	0.000074	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-104	0.00000019	U	0.000023	0.00000019	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-105	**0.0035**	**E G B**	0.000063	0.000063	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-106	0.000065	U G	0.000065	0.000065	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-110/115	**0.011**	**G B**	0.000059	0.000059	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-109	**0.00059**	**G**	0.000062	0.000062	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-111	0.000055	U G	0.000055	0.000055	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-112	0.000054	U G	0.000054	0.000054	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-114	**0.00017**	**G**	0.000063	0.000063	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-118	**0.0087**	**E G B**	0.000059	0.000059	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-120	0.000059	U G	0.000059	0.000059	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-121	0.000058	U G	0.000058	0.000058	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-122	0.000070	U G	0.000070	0.000070	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-123	**0.00014**	**G**	0.000059	0.000059	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-126	0.000070	U G	0.000070	0.000070	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-127	0.000072	U G	0.000072	0.000072	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-128/166	**0.0019**	**G**	0.000053	0.000053	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-129/138/163	**0.010**	**B**	0.000068	0.000053	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-130	**0.00075**	**G**	0.000066	0.000066	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-131	**0.00015**	**G**	0.000062	0.000062	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-132	**0.0031**	**G B**	0.000057	0.000057	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-133	**0.000096**	**G**	0.000057	0.000057	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-134/143	**0.00055**	**G**	0.000058	0.000058	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-135/151	**0.0018**	**G B**	0.000055	0.000055	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-136	**0.00082**	**G B**	0.000041	0.000041	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-137	**0.00070**	**G**	0.000057	0.000057	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-139/140	**0.00018**	**G**	0.000052	0.000052	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-141	**0.0015**	**G**	0.000054	0.000054	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-142	0.000055	U G	0.000055	0.000055	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-144	**0.00029**	**G**	0.000052	0.000052	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-145	0.000039	U G	0.000039	0.000039	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-146	**0.0011**	**G**	0.000055	0.000055	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-147/149	**0.0053**	**G B**	0.000053	0.000053	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-148	0.000051	U G	0.000051	0.000051	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-150	0.000036	U G	0.000036	0.000036	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-152	0.000039	U G	0.000039	0.000039	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1

Client Sample ID: SB-206 (0-2')

Date Collected: 08/13/15 14:35
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-1

Matrix: Solid
Percent Solids: 87.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-153/168	0.0058	B	0.000045	0.000045	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-154	0.000050	G	0.000046	0.000046	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-155	0.000046	U G	0.000046	0.000046	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-156/157	0.0018	G B	0.000014	0.000014	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-158	0.0012	G	0.000042	0.000042	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-159	0.000011	U	0.000023	0.000011	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-160	0.000050	U G	0.000050	0.000050	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-161	0.000041	U G	0.000041	0.000041	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-162	0.000060		0.000023	0.0000097	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-164	0.00067	G	0.000042	0.000042	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-165	0.000048	U G	0.000048	0.000048	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-167	0.00053	G	0.0000083	0.0000083	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-169	0.000012	U G	0.000012	0.000012	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-170	0.0016		0.000023	0.0000023	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-171/173	0.00049		0.000045	0.0000020	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-172	0.00022		0.000023	0.0000021	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-174	0.0011		0.000023	0.0000019	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-175	0.000043		0.000023	0.00000069	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-176	0.000099		0.000023	0.00000047	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-177	0.00067		0.000023	0.0000020	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-178	0.00014		0.000023	0.00000070	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-179	0.00027		0.000023	0.00000051	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-180/193	0.0025	B	0.000045	0.0000017	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-181	0.000036		0.000023	0.0000018	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-182	0.0000068	J	0.000023	0.00000062	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-183	0.00061		0.000023	0.0000016	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-184	0.00000051	U	0.000023	0.00000051	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-185	0.000084		0.000023	0.0000018	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-186	0.00000049	U	0.000023	0.00000049	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-187	0.00087	B	0.000023	0.00000065	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-188	0.00000057	U	0.000023	0.00000057	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-189	0.000062		0.0000023	0.00000061	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-190	0.00028		0.000023	0.0000017	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-191	0.000064		0.000023	0.0000016	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-192	0.0000016	U	0.000023	0.0000016	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-194	0.00029		0.000023	0.00000098	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-195	0.00010		0.000023	0.00000090	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-196	0.00015		0.000023	0.0000010	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-197	0.0000085	J	0.000023	0.00000064	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-198/199	0.00040		0.000045	0.0000010	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-206 (0-2')

Date Collected: 08/13/15 14:35
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-1

Matrix: Solid
Percent Solids: 87.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-200	0.000041		0.000023	0.00000065	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-201	0.000042		0.000023	0.00000063	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-202	0.000082		0.000023	0.00000066	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-203	0.00025		0.000023	0.00000096	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-204	0.00000065	U	0.000023	0.00000065	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-205	0.000013	J	0.000023	0.00000085	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-206	0.00027		0.000023	0.00000031	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-207	0.000028		0.000023	0.00000018	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-208	0.000087		0.000023	0.00000021	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1
PCB-209	0.00015		0.000023	0.00000019	mg/Kg	☼	08/17/15 16:34	08/24/15 20:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*46*		*5 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-3L	*55*		*5 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-4L	*48*		*5 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-15L	*75*		*5 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-19L	*58*		*5 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-37L	*82*		*5 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-54L	*51*		*5 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-77L	*113*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-81L	*112*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-104L	*55*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-105L	*101*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-114L	*98*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-118L	*97*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-123L	*100*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-126L	*118*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-155L	*75*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-156L/157L	*115*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-167L	*121*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-169L	*126*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-188L	*66*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-189L	*102*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-202L	*86*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-205L	*92*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-206L	*81*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-208L	*90*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-209L	*69*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*79*		*5 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-111L	*102*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*
PCB-178L	*82*		*10 - 145*	*08/17/15 16:34*	*08/24/15 20:18*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.0000069		0.0000011	0.000000076	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,7,8-PeCDD	0.000012		0.0000057	0.00000068	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,7,8-PeCDF	0.00000020	U	0.0000057	0.00000020	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
2,3,4,7,8-PeCDF	0.00000043	J	0.0000057	0.00000021	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,4,7,8-HxCDD	0.000010		0.0000057	0.0000028	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,6,7,8-HxCDD	0.000017		0.0000057	0.0000024	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,7,8,9-HxCDD	0.0000040	J	0.0000057	0.0000023	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,4,7,8-HxCDF	0.0000015	J q	0.0000057	0.00000050	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,6,7,8-HxCDF	0.00000071	J	0.0000057	0.00000044	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,7,8,9-HxCDF	0.00000052	U	0.0000057	0.00000052	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
2,3,4,6,7,8-HxCDF	0.00000058	J	0.0000057	0.00000048	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,4,6,7,8-HpCDD	0.0012	G	0.000017	0.000017	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,4,6,7,8-HpCDF	0.00012		0.0000057	0.0000014	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
1,2,3,4,7,8,9-HpCDF	0.0000055	J	0.0000057	0.0000017	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
OCDD	0.0092	E B G	0.000023	0.000023	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
OCDF	0.00079	B	0.000011	0.0000016	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
Total TCDD	0.000030	q	0.0000011	0.000000076	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
Total TCDF	0.0000098	q	0.0000011	0.00000011	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
Total PeCDD	0.00026		0.0000057	0.00000068	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
Total PeCDF	0.000014		0.0000057	0.00000020	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
Total HxCDD	0.0011	q	0.0000057	0.0000025	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
Total HxCDF	0.000071	q	0.0000057	0.00000048	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
Total HpCDD	0.0063	B G	0.000017	0.000017	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1
Total HpCDF	0.00062		0.0000057	0.0000015	mg/Kg	☼	08/17/15 16:58	08/27/15 01:27	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*83*		*40 - 135*	*08/17/15 16:58*	*08/27/15 01:27*	*1*
13C-2,3,7,8-TCDF	*87*		*40 - 135*	*08/17/15 16:58*	*08/27/15 01:27*	*1*
13C-1,2,3,7,8-PeCDD	*92*		*40 - 135*	*08/17/15 16:58*	*08/27/15 01:27*	*1*
13C-1,2,3,7,8-PeCDF	*91*		*40 - 135*	*08/17/15 16:58*	*08/27/15 01:27*	*1*
13C-1,2,3,6,7,8-HxCDD	*79*		*40 - 135*	*08/17/15 16:58*	*08/27/15 01:27*	*1*
13C-1,2,3,4,7,8-HxCDF	*86*		*40 - 135*	*08/17/15 16:58*	*08/27/15 01:27*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*96*		*40 - 135*	*08/17/15 16:58*	*08/27/15 01:27*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*97*		*40 - 135*	*08/17/15 16:58*	*08/27/15 01:27*	*1*
13C-OCDD	*93*		*40 - 135*	*08/17/15 16:58*	*08/27/15 01:27*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000087	J	0.0000011	0.00000035	mg/Kg	☼	08/17/15 16:58	09/01/15 16:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*75*		*40 - 135*	*08/17/15 16:58*	*09/01/15 16:41*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-206 (0-2')

Date Collected: 08/13/15 14:35
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-1

Matrix: Solid
Percent Solids: 87.5

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.11		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-205 (0-2')

Date Collected: 08/13/15 15:10
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-2

Matrix: Solid
Percent Solids: 86.6

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aniline	0.0095	U	0.076	0.0095	mg/Kg	☼	08/20/15 12:20	08/28/15 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 130*	*08/20/15 12:20*	*08/28/15 23:24*	*1*
2-Fluorobiphenyl (Surr)	*82*		*11 - 130*	*08/20/15 12:20*	*08/28/15 23:24*	*1*
2-Fluorophenol (Surr)	*69*		*10 - 130*	*08/20/15 12:20*	*08/28/15 23:24*	*1*
Terphenyl-d14 (Surr)	*63*		*27 - 130*	*08/20/15 12:20*	*08/28/15 23:24*	*1*
Phenol-d5 (Surr)	*72*		*10 - 130*	*08/20/15 12:20*	*08/28/15 23:24*	*1*
Nitrobenzene-d5 (Surr)	*75*		*18 - 130*	*08/20/15 12:20*	*08/28/15 23:24*	*1*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**0.12**		0.037	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 22:41	1
PCB-1260	**0.021**	**J p**	0.037	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 22:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*54 - 133*	*08/20/15 12:20*	*08/21/15 22:41*	*1*
Tetrachloro-m-xylene	*93*		*46 - 130*	*08/20/15 12:20*	*08/21/15 22:41*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0000059**	**J**	0.000023	0.00000031	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-2	**0.0000030**	**J**	0.000023	0.00000034	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-3	**0.0000040**	**J**	0.000023	0.00000033	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-4	0.0000088	U	0.000023	0.0000088	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-5	0.0000059	U	0.000023	0.0000059	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-6	0.0000057	U	0.000023	0.0000057	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-7	0.0000054	U	0.000023	0.0000054	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-8	0.0000051	U	0.000023	0.0000051	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-9	0.0000064	U	0.000023	0.0000064	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-10	0.0000056	U	0.000023	0.0000056	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-11	0.0000060	U	0.000023	0.0000060	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-12/13	0.0000057	U	0.000046	0.0000057	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-14	0.0000051	U	0.000023	0.0000051	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-15	0.0000061	U	0.000023	0.0000061	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-16	**0.000020**	**J**	0.000023	0.00000093	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-17	**0.000019**	**J B**	0.000023	0.00000078	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-18/30	**0.000043**	**J**	0.000046	0.00000068	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-19	**0.0000061**	**J q**	0.000023	0.00000091	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-20/28	**0.000077**	**B**	0.000046	0.0000034	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-21/33	**0.00010**		0.000046	0.0000030	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-22	**0.000025**		0.000023	0.0000036	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-23	0.0000031	U	0.000023	0.0000031	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-24	**0.00000098**	**J**	0.000023	0.00000062	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1

Client Sample ID: SB-205 (0-2')

Date Collected: 08/13/15 15:10
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-2

Matrix: Solid
Percent Solids: 86.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-25	0.0000031	U	0.000023	0.0000031	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-26/29	**0.0000074**	**J q**	0.000046	0.0000033	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-27	**0.0000036**	**J**	0.000023	0.00000062	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-31	**0.000091**	**B**	0.000023	0.0000031	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-32	**0.000016**	**J B**	0.000023	0.00000056	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-34	0.0000035	U	0.000023	0.0000035	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-35	0.0000036	U	0.000023	0.0000036	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-36	**0.000021**	**J**	0.000023	0.0000033	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-37	**0.000039**		0.000023	0.0000040	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-38	0.0000035	U	0.000023	0.0000035	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-39	0.0000032	U	0.000023	0.0000032	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-40/71	**0.00020**	**B**	0.000046	0.0000048	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-41	0.0000059	U	0.000023	0.0000059	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-42	**0.000091**	**B**	0.000023	0.0000048	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-43	0.0000054	U	0.000023	0.0000054	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-44/47/65	**0.0014**	**B**	0.000069	0.0000048	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-45	0.0000062	U	0.000023	0.0000062	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-46	0.0000060	U	0.000023	0.0000060	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-48	**0.000046**		0.000023	0.0000049	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-49/69	**0.00073**	**B**	0.000046	0.0000042	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-50/53	**0.000072**	**B**	0.000046	0.0000052	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-51	0.0000049	U	0.000023	0.0000049	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-52	**0.0043**	**B**	0.000023	0.0000055	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-54	**0.00000062**	**J B q**	0.000023	0.00000021	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-55	0.000013	U	0.000023	0.000013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-56	**0.00042**		0.000023	0.000015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-57	**0.00019**		0.000023	0.000015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-58	0.000014	U	0.000023	0.000014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-59/62/75	0.0000037	U	0.000069	0.0000037	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-60	**0.00015**		0.000023	0.000014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-61/70/74/76	**0.0038**	**B**	0.000092	0.000014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-63	**0.000034**	**B**	0.000023	0.000013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-64	**0.00039**		0.000023	0.0000034	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-66	**0.0012**	**B**	0.000023	0.000016	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-67	0.000013	U	0.000023	0.000013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-68	0.000013	U	0.000023	0.000013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-72	0.000014	U	0.000023	0.000014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-73	0.0000041	U	0.000023	0.0000041	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-77	**0.00014**	**G**	0.000015	0.000015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-78	**0.000058**		0.000023	0.000016	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-79	**0.00019**		0.000023	0.000015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-80	0.000013	U	0.000023	0.000013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-81	**0.000046**	**G**	0.000016	0.000016	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-82	**0.0013**	**G**	0.00017	0.00017	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-83	**0.00057**	**G**	0.00020	0.00020	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-84	**0.0027**	**B G**	0.00017	0.00017	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-85/116/117	**0.0024**	**B G**	0.00012	0.00012	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1

Client Sample ID: SB-205 (0-2')

Date Collected: 08/13/15 15:10
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-2

Matrix: Solid
Percent Solids: 86.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-86/87/97/108/119/125	0.0082	B	0.00014	0.00013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-88/91	0.0013	B G	0.00014	0.00014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-89	0.00016	U G	0.00016	0.00016	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-90/101/113	0.012	B G	0.00013	0.00013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-92	0.0024	B G	0.00015	0.00015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-93/100	0.00015	U G	0.00015	0.00015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-107/124	0.00058	G	0.00012	0.00012	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-94	0.00016	U G	0.00016	0.00016	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-95	0.0071	B G	0.00015	0.00015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-96	0.000037		0.000023	0.00000014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-98/102	0.00018	G	0.00013	0.00013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-99	0.0057	B G	0.00014	0.00014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-103	0.00014	U G	0.00014	0.00014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-104	0.00000029	J B q	0.000023	0.00000019	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-105	0.0058	E B G	0.00011	0.00011	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-106	0.00012	U G	0.00012	0.00012	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-110/115	0.018	B G	0.00011	0.00011	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-109	0.00098	G	0.00012	0.00012	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-111	0.00010	U G	0.00010	0.00010	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-112	0.00010	U G	0.00010	0.00010	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-114	0.00024	G	0.00012	0.00012	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-118	0.014	E B G	0.00011	0.00011	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-120	0.00011	U G	0.00011	0.00011	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-121	0.00011	U G	0.00011	0.00011	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-122	0.00024	G	0.00013	0.00013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-123	0.00024	G	0.00011	0.00011	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-126	0.00014	U G	0.00014	0.00014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-127	0.00013	U G	0.00013	0.00013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-128/166	0.0034	G	0.000072	0.000072	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-129/138/163	0.018	B G	0.000072	0.000072	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-130	0.0012	G	0.000090	0.000090	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-131	0.00021	G	0.000085	0.000085	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-132	0.0048	B G	0.000079	0.000079	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-133	0.00015	G	0.000077	0.000077	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-134/143	0.00079	G	0.000080	0.000080	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-135/151	0.0030	B G	0.000075	0.000075	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-136	0.0013	B G	0.000056	0.000056	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-137	0.0010	G	0.000078	0.000078	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-139/140	0.00028	G	0.000071	0.000071	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-141	0.0023	G	0.000075	0.000075	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-142	0.000076	U G	0.000076	0.000076	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-144	0.00044	G	0.000071	0.000071	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-145	0.000053	U G	0.000053	0.000053	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-146	0.0018	G	0.000076	0.000076	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-147/149	0.0085	B G	0.000072	0.000072	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-148	0.000070	U G	0.000070	0.000070	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-150	0.000050	U G	0.000050	0.000050	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-152	0.000053	U G	0.000053	0.000053	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1

Client Sample ID: SB-205 (0-2')

Date Collected: 08/13/15 15:10
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-2

Matrix: Solid
Percent Solids: 86.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-153/168	0.010	B G	0.000061	0.000061	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-154	0.00010	G	0.000064	0.000064	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-155	0.000063	U G	0.000063	0.000063	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-156/157	0.0029	B G	0.000021	0.000021	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-158	0.0020	G	0.000057	0.000057	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-159	0.000016	U	0.000023	0.000016	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-160	0.000068	U G	0.000068	0.000068	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-161	0.000056	U G	0.000056	0.000056	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-162	0.000097		0.000023	0.000015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-164	0.0011	G	0.000058	0.000058	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-165	0.000065	U G	0.000065	0.000065	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-167	0.00089	G	0.000013	0.000013	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-169	0.000020	U G	0.000020	0.000020	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-170	0.0027		0.000023	0.0000036	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-171/173	0.00080		0.000046	0.0000031	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-172	0.00037		0.000023	0.0000032	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-174	0.0019		0.000023	0.0000030	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-175	0.000070		0.000023	0.0000012	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-176	0.00017		0.000023	0.00000080	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-177	0.0011		0.000023	0.0000031	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-178	0.00024		0.000023	0.0000012	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-179	0.00050		0.000023	0.00000087	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-180/193	0.0041	B	0.000046	0.0000027	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-181	0.000049		0.000023	0.0000028	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-182	0.000011	J	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-183	0.0010		0.000023	0.0000025	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-184	0.00000087	U	0.000023	0.00000087	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-185	0.00014		0.000023	0.0000028	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-186	0.00000084	U	0.000023	0.00000084	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-187	0.0014	B	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-188	0.00000095	U	0.000023	0.00000095	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-189	0.00010		0.0000023	0.00000090	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-190	0.00048		0.000023	0.0000026	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-191	0.00011		0.000023	0.0000024	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-192	0.0000025	U	0.000023	0.0000025	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-194	0.00053		0.000023	0.0000012	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-195	0.00021		0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-196	0.00026		0.000023	0.0000015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-197	0.000016	J	0.000023	0.00000092	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-198/199	0.00051		0.000046	0.0000015	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-200	0.000060		0.000023	0.00000093	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-201	0.000058		0.000023	0.00000090	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1

Client Sample ID: SB-205 (0-2')

Date Collected: 08/13/15 15:10
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-2

Matrix: Solid
Percent Solids: 86.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-202	0.000085		0.000023	0.00000096	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-203	0.00034		0.000023	0.0000014	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-204	0.00000094	U	0.000023	0.00000094	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-205	0.000031		0.000023	0.0000010	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-206	0.00019		0.000023	0.00000030	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-207	0.000023		0.000023	0.00000018	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-208	0.000049		0.000023	0.00000021	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1
PCB-209	0.000068		0.000023	0.00000021	mg/Kg	☼	08/17/15 16:34	08/24/15 21:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*52*		*5 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-3L	*59*		*5 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-4L	*50*		*5 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-15L	*72*		*5 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-19L	*63*		*5 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-37L	*83*		*5 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-54L	*54*		*5 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-77L	*110*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-81L	*107*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-104L	*52*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-105L	*99*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-114L	*94*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-118L	*94*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-123L	*95*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-126L	*110*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-155L	*69*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-156L/157L	*115*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-167L	*114*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-169L	*116*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-188L	*65*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-189L	*97*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-202L	*80*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-205L	*91*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-206L	*84*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-208L	*87*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-209L	*71*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*77*		*5 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-111L	*96*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*
PCB-178L	*79*		*10 - 145*	*08/17/15 16:34*	*08/24/15 21:33*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000080	J	0.0000012	0.0000000 49	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1

Client Sample ID: SB-205 (0-2')

Date Collected: 08/13/15 15:10
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-2

Matrix: Solid
Percent Solids: 86.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,7,8-PeCDD	0.0000016	J	0.0000058	0.00000024	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,7,8-PeCDF	0.00000041	U	0.0000058	0.00000041	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
2,3,4,7,8-PeCDF	0.0000011	J	0.0000058	0.00000043	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,4,7,8-HxCDD	0.0000025	J	0.0000058	0.00000047	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,6,7,8-HxCDD	0.0000084		0.0000058	0.00000040	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,7,8,9-HxCDD	0.0000030	J	0.0000058	0.00000038	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,4,7,8-HxCDF	0.0000024	J	0.0000058	0.00000026	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,6,7,8-HxCDF	0.0000020	J	0.0000058	0.00000023	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,7,8,9-HxCDF	0.00000028	U	0.0000058	0.00000028	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
2,3,4,6,7,8-HxCDF	0.0000016	J q	0.0000058	0.00000026	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,4,6,7,8-HpCDD	0.00056	G	0.000011	0.000011	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,4,6,7,8-HpCDF	0.000066		0.0000058	0.00000081	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
1,2,3,4,7,8,9-HpCDF	0.0000032	J	0.0000058	0.00000097	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
OCDD	0.0049	E B G	0.000014	0.000014	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
OCDF	0.00029	B	0.000012	0.00000068	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
Total TCDD	0.0000046	q	0.0000012	0.000000049	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
Total TCDF	0.000022	q	0.0000012	0.00000023	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
Total PeCDD	0.000024	q	0.0000058	0.00000024	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
Total PeCDF	0.000049	q	0.0000058	0.00000042	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
Total HxCDD	0.00026		0.0000058	0.00000042	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
Total HxCDF	0.000069	q	0.0000058	0.00000026	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
Total HpCDD	0.0033	B G	0.000011	0.000011	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1
Total HpCDF	0.00027		0.0000058	0.00000089	mg/Kg	☼	08/17/15 16:58	08/27/15 02:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*86*		*40 - 135*	*08/17/15 16:58*	*08/27/15 02:08*	*1*
13C-2,3,7,8-TCDF	*89*		*40 - 135*	*08/17/15 16:58*	*08/27/15 02:08*	*1*
13C-1,2,3,7,8-PeCDD	*97*		*40 - 135*	*08/17/15 16:58*	*08/27/15 02:08*	*1*
13C-1,2,3,7,8-PeCDF	*93*		*40 - 135*	*08/17/15 16:58*	*08/27/15 02:08*	*1*
13C-1,2,3,6,7,8-HxCDD	*87*		*40 - 135*	*08/17/15 16:58*	*08/27/15 02:08*	*1*
13C-1,2,3,4,7,8-HxCDF	*82*		*40 - 135*	*08/17/15 16:58*	*08/27/15 02:08*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*101*		*40 - 135*	*08/17/15 16:58*	*08/27/15 02:08*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*97*		*40 - 135*	*08/17/15 16:58*	*08/27/15 02:08*	*1*
13C-OCDD	*104*		*40 - 135*	*08/17/15 16:58*	*08/27/15 02:08*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-205 (0-2')

Date Collected: 08/13/15 15:10
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-2

Matrix: Solid
Percent Solids: 86.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000012		0.0000012	0.00000040	mg/Kg	☼	08/17/15 16:58	09/01/15 17:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*77*		*40 - 135*	*08/17/15 16:58*	*09/01/15 17:19*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.18		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-201 (0-2')

Date Collected: 08/13/15 16:00
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-3

Matrix: Solid
Percent Solids: 85.2

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**0.17**		0.038	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 22:55	1
PCB-1260	**0.045**		0.038	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*54 - 133*	*08/20/15 12:20*	*08/21/15 22:55*	*1*
Tetrachloro-m-xylene	*73*		*46 - 130*	*08/20/15 12:20*	*08/21/15 22:55*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.000027**	**J**	0.00047	0.0000032	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-2	0.0000037	U	0.00047	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-3	**0.0000088**	**J q**	0.00047	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-4	**0.00027**	**J q**	0.00047	0.000021	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-5	0.000070	U	0.00047	0.000070	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-6	0.000068	U	0.00047	0.000068	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-7	0.000064	U	0.00047	0.000064	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-8	**0.00054**	**q**	0.00047	0.000061	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-9	0.000077	U	0.00047	0.000077	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-10	**0.000019**	**J q**	0.00047	0.000017	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-11	0.000071	U	0.00047	0.000071	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-12/13	0.000069	U	0.00094	0.000069	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-14	0.000060	U	0.00047	0.000060	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-15	0.000097	U	0.00047	0.000097	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-16	**0.00064**		0.00047	0.000012	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-17	**0.00056**	**B**	0.00047	0.000010	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-18/30	**0.0013**		0.00094	0.0000090	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-19	**0.00019**	**J**	0.00047	0.000010	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-20/28	**0.0016**	**B**	0.00094	0.000066	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-21/33	**0.0010**		0.00094	0.000058	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-22	**0.00062**		0.00047	0.000069	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-23	0.000060	U	0.00047	0.000060	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-24	0.0000082	U	0.00047	0.0000082	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-25	**0.00013**	**J**	0.00047	0.000059	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-26/29	**0.00021**	**J q**	0.00094	0.000064	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-27	**0.00011**	**J**	0.00047	0.0000082	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-31	**0.0017**	**B**	0.00047	0.000059	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-32	**0.00044**	**J B**	0.00047	0.0000074	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-34	0.000067	U	0.00047	0.000067	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-35	0.000069	U	0.00047	0.000069	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-36	0.000064	U	0.00047	0.000064	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-37	**0.00037**	**J**	0.00047	0.000088	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-38	0.000068	U	0.00047	0.000068	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-39	0.000062	U	0.00047	0.000062	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-40/71	**0.0025**	**B**	0.00094	0.000038	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-41	**0.00022**	**J**	0.00047	0.000047	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-42	**0.0012**	**B**	0.00047	0.000038	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-43	0.000043	U	0.00047	0.000043	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-44/47/65	**0.014**	**B**	0.0014	0.000038	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-45	**0.00051**		0.00047	0.000049	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-46	0.000048	U	0.00047	0.000048	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20

Client Sample ID: SB-201 (0-2')

Date Collected: 08/13/15 16:00
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-3

Matrix: Solid
Percent Solids: 85.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-48	**0.00087**		0.00047	0.000039	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-49/69	**0.0071**	**B**	0.00094	0.000033	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-50/53	**0.00084**	**J B**	0.00094	0.000041	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-51	**0.00014**	**J B**	0.00047	0.000039	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-52	**0.040**	**B**	0.00047	0.000043	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-54	**0.0000074**	**J B**	0.00047	0.0000031	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-55	0.00011	U	0.00047	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-56	**0.0033**		0.00047	0.00013	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-57	**0.0013**		0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-58	0.00012	U	0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-59/62/75	**0.00035**	**J B**	0.0014	0.000030	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-60	**0.0011**		0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-61/70/74/76	**0.032**	**B**	0.0019	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-63	**0.00024**	**J B**	0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-64	**0.0034**		0.00047	0.000027	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-66	**0.0089**	**B**	0.00047	0.00014	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-67	0.00011	U	0.00047	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-68	0.00011	U	0.00047	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-72	0.00012	U	0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-73	0.000032	U	0.00047	0.000032	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-77	**0.00089**	**G**	0.00017	0.00017	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-78	**0.00028**	**J**	0.00047	0.00013	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-79	**0.0013**		0.00047	0.00013	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-80	0.00011	U	0.00047	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-81	**0.00032**	**G**	0.00016	0.00016	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-82	**0.0091**	**G**	0.0012	0.0012	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-83	**0.0029**	**G q**	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-84	**0.018**	**G B**	0.0012	0.0012	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-85/116/117	**0.011**	**B**	0.0014	0.00089	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-86/87/97/108/119/125	**0.052**	**B**	0.0028	0.00091	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-88/91	**0.0074**	**G B**	0.0010	0.0010	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-89	0.0011	U G	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-90/101/113	**0.070**	**B**	0.0014	0.00092	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-92	**0.0074**	**G B**	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-93/100	0.0011	U G	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-107/124	**0.0027**		0.00094	0.00083	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-94	0.0011	U G	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-95	**0.047**	**G B**	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-96	**0.00033**	**J**	0.00047	0.0000029	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-98/102	0.00096	U G	0.00096	0.00096	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-99	**0.030**	**G B**	0.00099	0.00099	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-103	0.00099	U G	0.00099	0.00099	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-104	0.0000028	U	0.00047	0.0000028	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-105	**0.030**	**G B**	0.00088	0.00088	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-106	0.00088	U G	0.00088	0.00088	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-110/115	**0.087**	**B**	0.00094	0.00079	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-109	**0.0041**	**G**	0.00084	0.00084	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-111	0.00073	U G	0.00073	0.00073	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-112	0.00073	U G	0.00073	0.00073	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20

Client Sample ID: SB-201 (0-2')

Date Collected: 08/13/15 16:00
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-3

Matrix: Solid
Percent Solids: 85.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-114	**0.0021**	**G**	0.00099	0.00099	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-118	**0.069**	**G E B**	0.00077	0.00077	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-120	0.00079	U G	0.00079	0.00079	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-121	0.00078	U G	0.00078	0.00078	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-122	**0.0014**	**G**	0.00093	0.00093	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-123	**0.0011**	**G**	0.00089	0.00089	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-126	0.0016	U G	0.0016	0.0016	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-127	0.00096	U G	0.00096	0.00096	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-128/166	**0.016**		0.00094	0.00050	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-129/138/163	**0.087**	**B**	0.0014	0.00050	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-130	**0.0060**	**G**	0.00062	0.00062	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-131	**0.0013**	**G**	0.00058	0.00058	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-132	**0.028**	**G B**	0.00054	0.00054	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-133	**0.00077**	**G**	0.00053	0.00053	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-134/143	**0.0048**		0.00094	0.00055	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-135/151	**0.017**	**B**	0.00094	0.00051	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-136	**0.0079**	**B**	0.00047	0.00039	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-137	**0.0055**	**G**	0.00054	0.00054	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-139/140	**0.0016**		0.00094	0.00049	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-141	**0.014**	**G**	0.00051	0.00051	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-142	0.00052	U G	0.00052	0.00052	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-144	**0.0023**	**G**	0.00049	0.00049	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-145	0.00036	U	0.00047	0.00036	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-146	**0.0089**	**G**	0.00052	0.00052	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-147/149	**0.047**	**B**	0.00094	0.00050	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-148	0.00048	U G	0.00048	0.00048	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-150	0.00034	U	0.00047	0.00034	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-152	0.00037	U	0.00047	0.00037	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-153/168	**0.050**	**B**	0.00094	0.00042	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-154	**0.00061**		0.00047	0.00044	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-155	0.00028	U	0.00047	0.00028	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-156/157	**0.013**	**G B**	0.00015	0.00015	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-158	**0.010**		0.00047	0.00039	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-159	0.00011	U	0.00047	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-160	0.00047	U	0.00047	0.00047	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-161	0.00039	U	0.00047	0.00039	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-162	**0.00037**	**J**	0.00047	0.000099	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-164	**0.0053**		0.00047	0.00040	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-165	0.00045	U	0.00047	0.00045	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-167	**0.0034**	**G**	0.000095	0.000095	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-169	0.00021	U G	0.00021	0.00021	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-170	**0.0087**		0.00047	0.000019	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-171/173	**0.0030**		0.00094	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-172	**0.0012**		0.00047	0.000017	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-174	**0.0068**		0.00047	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-175	**0.00033**	**J**	0.00047	0.0000090	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-176	**0.00083**		0.00047	0.0000061	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-177	**0.0039**		0.00047	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-178	**0.00098**		0.00047	0.0000091	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20

Client Sample ID: SB-201 (0-2')

Date Collected: 08/13/15 16:00
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-3

Matrix: Solid
Percent Solids: 85.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-179	0.0022		0.00047	0.0000067	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-180/193	0.013	B	0.00094	0.000014	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-181	0.00023	J	0.00047	0.000015	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-182	0.0000082	U	0.00047	0.0000082	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-183	0.0036		0.00047	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-184	0.0000067	U	0.00047	0.0000067	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-185	0.00075		0.00047	0.000015	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-186	0.0000065	U	0.00047	0.0000065	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-187	0.0059	B	0.00047	0.0000086	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-188	0.0000057	U	0.00047	0.0000057	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-189	0.00038		0.000047	0.0000099	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-190	0.0015		0.00047	0.000014	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-191	0.00036	J q	0.00047	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-192	0.000013	U	0.00047	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-194	0.0013		0.00047	0.0000061	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-195	0.00053		0.00047	0.0000056	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-196	0.00095		0.00047	0.0000069	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-197	0.000065	J	0.00047	0.0000043	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-198/199	0.0019		0.00094	0.0000070	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-200	0.00025	J	0.00047	0.0000044	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-201	0.00025	J	0.00047	0.0000042	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-202	0.00032	J	0.00047	0.0000039	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-203	0.0013		0.00047	0.0000065	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-204	0.0000044	U	0.00047	0.0000044	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-205	0.000099	J	0.00047	0.0000069	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-206	0.0011		0.00047	0.0000069	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-207	0.00013	J	0.00047	0.0000040	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-208	0.00033	J	0.00047	0.0000045	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20
PCB-209	0.00021	J	0.00047	0.0000049	mg/Kg	☼	08/17/15 16:34	08/25/15 23:50	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*47*		*5 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-3L	*53*		*5 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-4L	*56*		*5 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-15L	*66*		*5 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-19L	*67*		*5 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-37L	*66*		*5 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-54L	*58*		*5 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-77L	*73*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-81L	*74*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-104L	*68*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-105L	*87*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-114L	*78*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-118L	*88*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-123L	*81*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-126L	*75*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-155L	*71*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-156L/157L	*75*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-167L	*80*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*
PCB-169L	*69*		*10 - 145*	*08/17/15 16:34*	*08/25/15 23:50*	*20*

Client Sample ID: SB-201 (0-2')

Lab Sample ID: 680-115653-3

Date Collected: 08/13/15 16:00
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 85.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-188L	108		10 - 145	08/17/15 16:34	08/25/15 23:50	20
PCB-189L	83		10 - 145	08/17/15 16:34	08/25/15 23:50	20
PCB-202L	113		10 - 145	08/17/15 16:34	08/25/15 23:50	20
PCB-205L	81		10 - 145	08/17/15 16:34	08/25/15 23:50	20
PCB-206L	84		10 - 145	08/17/15 16:34	08/25/15 23:50	20
PCB-208L	95		10 - 145	08/17/15 16:34	08/25/15 23:50	20
PCB-209L	76		10 - 145	08/17/15 16:34	08/25/15 23:50	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	63		5 - 145	08/17/15 16:34	08/25/15 23:50	20
PCB-111L	98		10 - 145	08/17/15 16:34	08/25/15 23:50	20
PCB-178L	85		10 - 145	08/17/15 16:34	08/25/15 23:50	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000000050	U	0.0000012	0.0000000 50	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,7,8-PeCDD	**0.00000035**	**J**	0.0000059	0.0000001 3	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,7,8-PeCDF	**0.00000035**	**J q**	0.0000059	0.0000001 4	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
2,3,4,7,8-PeCDF	**0.00000065**	**J**	0.0000059	0.0000001 5	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,4,7,8-HxCDD	**0.00000048**	**J**	0.0000059	0.0000001 6	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,6,7,8-HxCDD	**0.0000023**	**J**	0.0000059	0.0000001 4	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,7,8,9-HxCDD	**0.0000027**	**J**	0.0000059	0.0000001 3	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,4,7,8-HxCDF	**0.0000018**	**J**	0.0000059	0.0000000 66	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,6,7,8-HxCDF	**0.00000062**	**J q**	0.0000059	0.0000000 58	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,7,8,9-HxCDF	0.000000069	U	0.0000059	0.0000000 69	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
2,3,4,6,7,8-HxCDF	**0.00000027**	**J q**	0.0000059	0.0000000 64	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,4,6,7,8-HpCDD	**0.000070**		0.0000059	0.0000040	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,4,6,7,8-HpCDF	**0.0000042**	**J**	0.0000059	0.0000001 4	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
1,2,3,4,7,8,9-HpCDF	0.00000016	U	0.0000059	0.0000001 6	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
OCDD	**0.0081**	**E B G**	0.000034	0.000034	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
OCDF	**0.000022**	**B**	0.000012	0.0000000 95	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
Total TCDD	**0.0000029**	**q**	0.0000012	0.0000000 50	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
Total TCDF	**0.0000094**	**q**	0.0000012	0.0000000 59	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
Total PeCDD	**0.0000054**	**J**	0.0000059	0.0000001 3	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
Total PeCDF	**0.0000053**	**J q**	0.0000059	0.0000001 4	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
Total HxCDD	**0.000061**	**q**	0.0000059	0.0000001 4	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1

Client Sample ID: SB-201 (0-2')

Lab Sample ID: 680-115653-3

Date Collected: 08/13/15 16:00
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 85.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDF	0.0000069	q	0.0000059	0.000000064	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
Total HpCDD	0.00057	B	0.0000059	0.0000040	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1
Total HpCDF	0.000014		0.0000059	0.00000015	mg/Kg	☼	08/17/15 16:58	08/27/15 07:18	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*78*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:18*	*1*
13C-2,3,7,8-TCDF	*80*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:18*	*1*
13C-1,2,3,7,8-PeCDD	*86*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:18*	*1*
13C-1,2,3,7,8-PeCDF	*86*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:18*	*1*
13C-1,2,3,6,7,8-HxCDD	*79*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:18*	*1*
13C-1,2,3,4,7,8-HxCDF	*73*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:18*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*86*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:18*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*82*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:18*	*1*
13C-OCDD	*89*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:18*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000019		0.0000012	0.00000072	mg/Kg	☼	08/17/15 16:58	09/01/15 17:56	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*71*		*40 - 135*	*08/17/15 16:58*	*09/01/15 17:56*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.98		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-201 (2-4")

Date Collected: 08/13/15 16:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-4

Matrix: Solid
Percent Solids: 85.8

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**0.018**	**J**	0.038	0.012	mg/Kg	☼	08/20/15 12:20	08/21/15 23:09	1
PCB-1260	0.011	U	0.038	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*54 - 133*	*08/20/15 12:20*	*08/21/15 23:09*	*1*
Tetrachloro-m-xylene	*83*		*46 - 130*	*08/20/15 12:20*	*08/21/15 23:09*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.00000039**	**J q**	0.000023	0.00000013	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-2	0.00000014	U	0.000023	0.00000014	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-3	0.00000014	U	0.000023	0.00000014	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-4	0.0000033	U	0.000023	0.0000033	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-5	0.0000040	U	0.000023	0.0000040	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-6	0.0000039	U	0.000023	0.0000039	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-7	0.0000037	U	0.000023	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-8	0.0000035	U	0.000023	0.0000035	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-9	0.0000044	U	0.000023	0.0000044	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-10	0.0000026	U	0.000023	0.0000026	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-11	0.0000041	U	0.000023	0.0000041	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-12/13	0.0000039	U	0.000047	0.0000039	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-14	0.0000035	U	0.000023	0.0000035	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-15	0.0000051	U	0.000023	0.0000051	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-16	**0.0000042**	**J q**	0.000023	0.00000051	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-17	**0.0000040**	**J B**	0.000023	0.00000043	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-18/30	**0.0000081**	**J**	0.000047	0.00000038	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-19	**0.0000014**	**J**	0.000023	0.00000046	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-20/28	**0.000012**	**J B**	0.000047	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-21/33	**0.0000062**	**J q**	0.000047	0.00000092	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-22	**0.0000038**	**J**	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-23	0.00000096	U	0.000023	0.00000096	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-24	0.00000034	U	0.000023	0.00000034	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-25	0.00000095	U	0.000023	0.00000095	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-26/29	**0.0000019**	**J**	0.000047	0.0000010	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-27	**0.00000061**	**J q**	0.000023	0.00000034	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-31	**0.000011**	**J B**	0.000023	0.00000095	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-32	**0.0000028**	**J B**	0.000023	0.00000031	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-34	0.0000011	U	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-35	0.0000011	U	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1

Client Sample ID: SB-201 (2-4")

Date Collected: 08/13/15 16:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-4

Matrix: Solid
Percent Solids: 85.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-36	0.0000010	U	0.000023	0.0000010	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-37	0.0000014	U	0.000023	0.0000014	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-38	0.0000011	U	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-39	**0.0000034**	**J**	0.000023	0.00000099	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-40/71	**0.000015**	**J B**	0.000047	0.00000042	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-41	0.00000051	U	0.000023	0.00000051	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-42	**0.0000075**	**J B**	0.000023	0.00000041	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-43	0.00000047	U	0.000023	0.00000047	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-44/47/65	**0.000083**	**B**	0.000070	0.00000041	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-45	**0.0000043**	**J**	0.000023	0.00000054	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-46	0.00000052	U	0.000023	0.00000052	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-48	**0.0000052**	**J**	0.000023	0.00000043	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-49/69	**0.000041**	**J B**	0.000047	0.00000037	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-50/53	**0.0000057**	**J B**	0.000047	0.00000045	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-51	0.00000042	U	0.000023	0.00000042	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-52	**0.00024**	**B**	0.000023	0.00000048	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-54	0.00000038	U	0.000023	0.00000038	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-55	0.00000093	U	0.000023	0.00000093	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-56	**0.000020**	**J**	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-57	**0.000010**	**J**	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-58	0.0000011	U	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-59/62/75	**0.0000023**	**J B**	0.000070	0.00000033	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-60	**0.0000069**	**J**	0.000023	0.0000010	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-61/70/74/76	**0.00018**	**B**	0.000093	0.0000010	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-63	0.0000010	U	0.000023	0.0000010	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-64	**0.000019**	**J**	0.000023	0.00000029	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-66	**0.000050**	**B**	0.000023	0.0000012	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-67	0.00000098	U	0.000023	0.00000098	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-68	0.00000095	U	0.000023	0.00000095	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-72	0.0000010	U	0.000023	0.0000010	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-73	0.00000035	U	0.000023	0.00000035	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-77	**0.0000072**		0.0000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-78	**0.0000024**	**J**	0.000023	0.0000012	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-79	**0.0000094**	**J**	0.000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1

Client Sample ID: SB-201 (2-4")

Date Collected: 08/13/15 16:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-4

Matrix: Solid
Percent Solids: 85.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-80	0.00000097	U	0.000023	0.00000097	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-81	**0.0000023**		0.0000023	0.0000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-82	**0.000071**		0.000023	0.000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-83	**0.000020**	**J**	0.000023	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-84	**0.00012**	**B**	0.000023	0.000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-85/116/117	**0.000073**	**B**	0.000070	0.0000079	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-86/87/97/108/119/125	**0.00034**	**B**	0.00014	0.0000081	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-88/91	**0.000051**	**B**	0.000047	0.0000093	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-89	0.000010	U	0.000023	0.000010	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-90/101/113	**0.00048**	**B**	0.000070	0.0000082	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-92	**0.000074**	**B**	0.000023	0.0000097	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-93/100	0.0000095	U	0.000047	0.0000095	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-107/124	**0.000015**	**J**	0.000047	0.0000074	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-94	0.000010	U	0.000023	0.000010	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-95	**0.00032**	**B**	0.000023	0.0000098	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-96	**0.0000026**	**J**	0.000023	0.00000074	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-98/102	0.0000086	U	0.000047	0.0000086	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-99	**0.00019**	**B**	0.000023	0.0000088	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-103	0.0000088	U	0.000023	0.0000088	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-104	0.00000092	U	0.000023	0.00000092	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-105	**0.00018**	**G B**	0.0000078	0.0000078	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-106	0.0000078	U	0.000023	0.0000078	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-110/115	**0.00063**	**B**	0.000047	0.0000070	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-109	**0.000024**		0.000023	0.0000075	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-111	0.0000066	U	0.000023	0.0000066	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-112	0.0000065	U	0.000023	0.0000065	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-114	**0.000012**	**G**	0.0000077	0.0000077	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-118	**0.00044**	**G B**	0.0000070	0.0000070	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-120	0.0000071	U	0.000023	0.0000071	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-121	0.0000069	U	0.000023	0.0000069	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-122	**0.000012**	**J**	0.000023	0.0000083	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-123	**0.0000084**	**G**	0.0000071	0.0000071	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-126	0.000011	U G	0.000011	0.000011	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-127	0.0000086	U	0.000023	0.0000086	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-128/166	**0.000096**		0.000047	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-129/138/163	**0.00052**	**B**	0.000070	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-130	**0.000036**		0.000023	0.0000043	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-131	**0.0000073**	**J q**	0.000023	0.0000040	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-132	**0.00016**	**B**	0.000023	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-133	**0.0000055**	**J**	0.000023	0.0000036	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-134/143	**0.000029**	**J**	0.000047	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-135/151	**0.000097**	**B**	0.000047	0.0000035	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-136	**0.000044**	**B**	0.000023	0.0000026	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-137	**0.000033**		0.000023	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-139/140	**0.0000088**	**J**	0.000047	0.0000033	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-141	**0.000086**		0.000023	0.0000035	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-142	0.0000036	U	0.000023	0.0000036	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1

Client Sample ID: SB-201 (2-4")

Date Collected: 08/13/15 16:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-4

Matrix: Solid
Percent Solids: 85.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-144	**0.000011**	**J**	0.000023	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-145	0.0000025	U	0.000023	0.0000025	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-146	**0.000051**		0.000023	0.0000036	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-147/149	**0.00027**	**B**	0.000047	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-148	0.0000033	U	0.000023	0.0000033	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-150	0.0000023	U	0.000023	0.0000023	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-152	0.0000025	U	0.000023	0.0000025	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-153/168	**0.00029**	**B**	0.000047	0.0000029	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-154	0.0000030	U	0.000023	0.0000030	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-155	0.0000027	U	0.000023	0.0000027	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-156/157	**0.000096**	**B**	0.0000047	0.0000032	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-158	**0.000067**		0.000023	0.0000027	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-159	0.0000026	U	0.000023	0.0000026	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-160	0.0000032	U	0.000023	0.0000032	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-161	0.0000026	U	0.000023	0.0000026	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-162	0.0000024	U	0.000023	0.0000024	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-164	**0.000033**		0.000023	0.0000027	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-165	0.0000031	U	0.000023	0.0000031	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-167	**0.000026**		0.0000023	0.0000021	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-169	0.0000034	U G	0.0000034	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-170	**0.000090**		0.000023	0.00000096	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-171/173	**0.000025**	**J**	0.000047	0.00000084	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-172	**0.000012**	**J**	0.000023	0.00000086	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-174	**0.000063**		0.000023	0.00000080	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-175	**0.0000019**	**J**	0.000023	0.00000032	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-176	**0.0000048**	**J**	0.000023	0.00000022	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-177	**0.000036**		0.000023	0.00000084	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-178	**0.0000066**	**J**	0.000023	0.00000032	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-179	**0.000014**	**J**	0.000023	0.00000024	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-180/193	**0.00014**	**B**	0.000047	0.00000072	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-181	0.00000075	U	0.000023	0.00000075	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-182	0.00000029	U	0.000023	0.00000029	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-183	**0.000031**		0.000023	0.00000066	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-184	0.00000024	U	0.000023	0.00000024	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-185	**0.0000048**	**J q**	0.000023	0.00000074	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-186	0.00000023	U	0.000023	0.00000023	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-187	**0.000039**	**B**	0.000023	0.00000030	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1

Client Sample ID: SB-201 (2-4")

Date Collected: 08/13/15 16:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-4

Matrix: Solid
Percent Solids: 85.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-188	0.00000027	U	0.000023	0.00000027	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-189	**0.0000053**		0.0000023	0.00000091	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-190	**0.000018**	**J**	0.000023	0.00000069	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-191	**0.0000092**	**J**	0.000023	0.00000065	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-192	0.00000068	U	0.000023	0.00000068	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-194	**0.000023**		0.000023	0.00000065	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-195	**0.0000072**	**J**	0.000023	0.00000060	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-196	**0.0000088**	**J**	0.000023	0.00000035	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-197	**0.00000041**	**J**	0.000023	0.00000022	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-198/199	**0.000019**	**J**	0.000047	0.00000036	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-200	**0.0000020**	**J**	0.000023	0.00000023	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-201	**0.0000020**	**J**	0.000023	0.00000022	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-202	**0.0000033**	**J**	0.000023	0.00000024	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-203	**0.000013**	**J**	0.000023	0.00000033	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-204	0.00000023	U	0.000023	0.00000023	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-205	**0.0000028**	**J**	0.000023	0.00000052	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-206	**0.000018**	**J**	0.000023	0.00000031	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-207	**0.0000013**	**J**	0.000023	0.00000018	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-208	**0.0000052**	**J**	0.000023	0.00000021	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1
PCB-209	**0.0000072**	**J**	0.000023	0.00000028	mg/Kg	☼	08/17/15 16:34	08/25/15 14:24	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*46*		*5 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-3L	*51*		*5 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-4L	*46*		*5 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-15L	*52*		*5 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-19L	*48*		*5 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-37L	*64*		*5 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-54L	*36*		*5 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-77L	*82*		*10 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-81L	*81*		*10 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-104L	*39*		*10 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-105L	*73*		*10 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-114L	*71*		*10 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*
PCB-118L	*73*		*10 - 145*	*08/17/15 16:34*	*08/25/15 14:24*	*1*

Client Sample ID: SB-201 (2-4")

Date Collected: 08/13/15 16:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-4

Matrix: Solid
Percent Solids: 85.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-123L	71		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-126L	70		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-155L	62		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-156L/157L	98		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-167L	100		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-169L	97		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-188L	49		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-189L	82		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-202L	65		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-205L	80		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-206L	72		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-208L	78		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-209L	58		10 - 145	08/17/15 16:34	08/25/15 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	75		5 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-111L	85		10 - 145	08/17/15 16:34	08/25/15 14:24	1
PCB-178L	68		10 - 145	08/17/15 16:34	08/25/15 14:24	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000000059	U	0.0000012	0.0000000 59	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
2,3,7,8-TCDF	**).000000056**	**J**	0.0000012	0.0000000 39	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,7,8-PeCDD	0.00000010	U	0.0000058	0.0000001 0	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,7,8-PeCDF	0.000000035	U	0.0000058	0.0000000 35	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
2,3,4,7,8-PeCDF	0.000000037	U	0.0000058	0.0000000 37	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,4,7,8-HxCDD	**0.00000020**	**J q**	0.0000058	0.0000001 3	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,6,7,8-HxCDD	**0.00000041**	**J q**	0.0000058	0.0000001 1	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,7,8,9-HxCDD	**0.0000013**	**J**	0.0000058	0.0000001 1	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,4,7,8-HxCDF	0.000000040	U	0.0000058	0.0000000 40	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,6,7,8-HxCDF	0.000000035	U	0.0000058	0.0000000 35	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,7,8,9-HxCDF	0.000000041	U	0.0000058	0.0000000 41	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
2,3,4,6,7,8-HxCDF	0.000000038	U	0.0000058	0.0000000 38	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,4,6,7,8-HpCDD	**0.000024**		0.0000058	0.0000009 4	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,4,6,7,8-HpCDF	**0.00000014**	**J q**	0.0000058	0.0000000 19	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
1,2,3,4,7,8,9-HpCDF	0.000000023	U	0.0000058	0.0000000 23	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
OCDD	**0.0032**	**B G**	0.000015	0.000015	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
OCDF	**0.00000097**	**J B**	0.000012	0.0000000 51	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-201 (2-4")

Date Collected: 08/13/15 16:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-4

Matrix: Solid
Percent Solids: 85.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TCDD	0.0000012	q	0.0000012	0.000000059	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
Total TCDF	0.000000056	J	0.0000012	0.000000039	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
Total PeCDD	0.0000025	J q	0.0000058	0.00000010	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
Total PeCDF	0.00000026	J q	0.0000058	0.000000036	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
Total HxCDD	0.000019	q	0.0000058	0.00000012	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
Total HxCDF	0.000000041	U	0.0000058	0.000000041	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
Total HpCDD	0.00010	B	0.0000058	0.00000094	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1
Total HpCDF	0.00000034	J q	0.0000058	0.000000021	mg/Kg	☼	08/17/15 16:58	08/27/15 07:59	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*68*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:59*	*1*
13C-2,3,7,8-TCDF	*68*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:59*	*1*
13C-1,2,3,7,8-PeCDD	*74*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:59*	*1*
13C-1,2,3,7,8-PeCDF	*72*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:59*	*1*
13C-1,2,3,6,7,8-HxCDD	*69*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:59*	*1*
13C-1,2,3,4,7,8-HxCDF	*63*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:59*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*75*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:59*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*72*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:59*	*1*
13C-OCDD	*82*		*40 - 135*	*08/17/15 16:58*	*08/27/15 07:59*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.0064		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-204 (0-2')

Date Collected: 08/13/15 13:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-6

Matrix: Solid
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	**4.6**		0.38	0.12	mg/Kg	☼	08/20/15 12:20	08/22/15 16:15	10
PCB-1260	**0.56**		0.038	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*54 - 133*	*08/20/15 12:20*	*08/21/15 23:23*	*1*
Tetrachloro-m-xylene	*81*		*46 - 130*	*08/20/15 12:20*	*08/21/15 23:23*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.000089**	**J**	0.00047	0.0000050	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-2	0.0000060	U	0.00047	0.0000060	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-3	**0.000025**	**J q**	0.00047	0.0000068	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-4	**0.00026**	**J q**	0.00047	0.000022	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-5	0.000087	U	0.00047	0.000087	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-6	0.000084	U	0.00047	0.000084	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-7	0.000079	U	0.00047	0.000079	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-8	**0.00084**		0.00047	0.000075	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-9	0.000095	U	0.00047	0.000095	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-10	0.000021	U	0.00047	0.000021	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-11	0.000088	U	0.00047	0.000088	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-12/13	0.000085	U	0.00095	0.000085	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-14	0.000075	U	0.00047	0.000075	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-15	0.00015	U	0.00047	0.00015	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-16	**0.00077**		0.00047	0.000018	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-17	**0.00083**	**B**	0.00047	0.000015	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-18/30	**0.0019**		0.00095	0.000013	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-19	**0.00014**	**J**	0.00047	0.000012	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-20/28	**0.0034**	**B**	0.00095	0.00018	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-21/33	**0.0056**		0.00095	0.00016	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-22	**0.00096**		0.00047	0.00019	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-23	0.00016	U	0.00047	0.00016	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-24	**0.000044**	**J**	0.00047	0.000012	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-25	0.00016	U	0.00047	0.00016	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-26/29	**0.00029**	**J**	0.00095	0.00017	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-27	**0.00014**	**J**	0.00047	0.000012	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-31	**0.0034**	**B**	0.00047	0.00016	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-32	**0.00074**	**B**	0.00047	0.000011	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-34	0.00018	U	0.00047	0.00018	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-35	0.00019	U	0.00047	0.00019	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-36	**0.00074**		0.00047	0.00018	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-37	**0.0015**		0.00047	0.00036	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-38	0.00019	U	0.00047	0.00019	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-39	**0.0016**		0.00047	0.00017	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-40/71	**0.0055**	**B**	0.00095	0.000091	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-41	0.00011	U	0.00047	0.00011	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-42	**0.0032**	**B**	0.00047	0.000090	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-43	0.00010	U	0.00047	0.00010	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-44/47/65	**0.039**	**B**	0.0014	0.000090	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-45	0.00012	U	0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-46	0.00011	U	0.00047	0.00011	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20

Client Sample ID: SB-204 (0-2')

Date Collected: 08/13/15 13:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-6

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-48	**0.0018**		0.00047	0.000092	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-49/69	**0.024**	**B**	0.00095	0.000080	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-50/53	**0.0019**	**B**	0.00095	0.000097	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-51	0.000092	U	0.00047	0.000092	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-52	**0.11**	**B E**	0.00047	0.00010	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-54	**0.000019**	**J B**	0.00047	0.0000036	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-55	0.00049	U G	0.00049	0.00049	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-56	**0.0097**	**G**	0.00060	0.00060	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-57	**0.0056**	**G**	0.00056	0.00056	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-58	0.00055	U G	0.00055	0.00055	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-59/62/75	**0.0012**	**J B**	0.0014	0.000071	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-60	**0.0034**	**G**	0.00053	0.00053	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-61/70/74/76	**0.10**	**B**	0.0019	0.00054	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-63	**0.0011**	**G B**	0.00052	0.00052	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-64	**0.013**		0.00047	0.000063	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-66	**0.037**	**G B**	0.00062	0.00062	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-67	0.00051	U G	0.00051	0.00051	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-68	0.00050	U G	0.00050	0.00050	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-72	**0.00056**	**G q**	0.00054	0.00054	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-73	0.000077	U	0.00047	0.000077	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-77	**0.0043**	**G**	0.00075	0.00075	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-78	**0.00092**	**G**	0.00060	0.00060	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-79	0.00057	U G	0.00057	0.00057	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-80	0.00051	U G	0.00051	0.00051	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-81	**0.00086**	**G**	0.00081	0.00081	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-82	**0.023**	**G**	0.0041	0.0041	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-83	**0.011**	**G**	0.0049	0.0049	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-84	**0.049**	**G B**	0.0041	0.0041	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-85/116/117	**0.034**	**G B**	0.0031	0.0031	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-86/87/97/108/119/125	**0.16**	**G B**	0.0031	0.0031	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-88/91	**0.024**	**G B**	0.0036	0.0036	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-89	0.0039	U G	0.0039	0.0039	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-90/101/113	**0.23**	**B G E**	0.0031	0.0031	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-92	**0.044**	**G B**	0.0037	0.0037	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-93/100	0.0037	U G	0.0037	0.0037	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-107/124	**0.0084**	**G**	0.0029	0.0029	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-94	0.0038	U G	0.0038	0.0038	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-95	**0.16**	**B G E**	0.0038	0.0038	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-96	**0.00081**		0.00047	0.0000052	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-98/102	0.0033	U G	0.0033	0.0033	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-99	**0.11**	**B G E**	0.0034	0.0034	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-103	0.0034	U G	0.0034	0.0034	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-104	0.0000056	U	0.00047	0.0000056	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-105	**0.099**	**E B G**	0.0029	0.0029	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-106	0.0030	U G	0.0030	0.0030	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-110/115	**0.29**	**B G E**	0.0027	0.0027	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-109	**0.017**	**G**	0.0029	0.0029	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-111	0.0025	U G	0.0025	0.0025	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-112	0.0025	U G	0.0025	0.0025	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20

Client Sample ID: SB-204 (0-2')

Date Collected: 08/13/15 13:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-6

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-114	0.0063	G	0.0035	0.0035	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-118	0.23	E B G	0.0024	0.0024	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-120	0.0027	U G	0.0027	0.0027	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-121	0.0027	U G	0.0027	0.0027	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-122	0.0042	G	0.0032	0.0032	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-123	0.0043	G	0.0030	0.0030	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-126	0.0067	U G	0.0067	0.0067	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-127	0.0033	U G	0.0033	0.0033	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-128/166	0.060	G	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-129/138/163	0.34	B E	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-130	0.023	G	0.0018	0.0018	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-131	0.0044	G	0.0017	0.0017	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-132	0.098	B G E	0.0016	0.0016	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-133	0.0031	G	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-134/143	0.018	G	0.0016	0.0016	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-135/151	0.066	G B	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-136	0.026	G B	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-137	0.019	G	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-139/140	0.0056	G	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-141	0.047	G	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-142	0.0015	U G	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-144	0.010	G	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-145	0.0010	U G	0.0010	0.0010	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-146	0.038	G	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-147/149	0.18	B G E	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-148	0.0014	U G	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-150	0.00098	U G	0.00098	0.00098	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-152	0.0011	U G	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-153/168	0.21	B G E	0.0012	0.0012	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-154	0.0025	G	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-155	0.00089	U G	0.00089	0.00089	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-156/157	0.043	G B	0.00047	0.00047	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-158	0.037	G	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-159	0.00038	U	0.00047	0.00038	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-160	0.0014	U G	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-161	0.0011	U G	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-162	0.0015		0.00047	0.00035	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-164	0.022	G	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-165	0.0013	U G	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-167	0.013	G	0.00032	0.00032	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-169	0.00080	U G	0.00080	0.00080	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-170	0.033		0.00047	0.000061	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-171/173	0.011		0.00095	0.000053	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-172	0.0048		0.00047	0.000054	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-174	0.028		0.00047	0.000051	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-175	0.0013		0.00047	0.000028	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-176	0.0032		0.00047	0.000019	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-177	0.016		0.00047	0.000053	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-178	0.0048		0.00047	0.000028	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20

Client Sample ID: SB-204 (0-2')

Date Collected: 08/13/15 13:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-6

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-179	0.0096		0.00047	0.000020	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-180/193	0.055	B	0.00095	0.000045	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-181	0.00071		0.00047	0.000047	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-182	0.000025	U	0.00047	0.000025	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-183	0.014		0.00047	0.000041	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-184	0.000020	U	0.00047	0.000020	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-185	0.0029		0.00047	0.000047	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-186	0.000020	U	0.00047	0.000020	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-187	0.029	B	0.00047	0.000026	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-188	0.000017	U	0.00047	0.000017	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-189	0.0014		0.000047	0.000025	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-190	0.0060		0.00047	0.000043	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-191	0.0013	q	0.00047	0.000041	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-192	0.000043	U	0.00047	0.000043	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-194	0.0069		0.00047	0.000014	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-195	0.0026		0.00047	0.000012	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-196	0.0052		0.00047	0.000029	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-197	0.00032	J	0.00047	0.000018	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-198/199	0.012		0.00095	0.000029	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-200	0.0015		0.00047	0.000018	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-201	0.0015		0.00047	0.000018	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-202	0.0021		0.00047	0.000016	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-203	0.0079		0.00047	0.000027	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-204	0.000018	U	0.00047	0.000018	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-205	0.00050	q	0.00047	0.000017	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-206	0.0050		0.00047	0.000011	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-207	0.00068		0.00047	0.0000067	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-208	0.0013		0.00047	0.0000075	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20
PCB-209	0.00045	J	0.00047	0.0000084	mg/Kg	☼	08/17/15 16:34	08/26/15 01:05	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*51*		*5 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-3L	*49*		*5 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-4L	*59*		*5 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-15L	*52*		*5 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-19L	*67*		*5 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-37L	*34*		*5 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-54L	*55*		*5 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-77L	*76*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-81L	*69*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-104L	*57*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-105L	*80*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-114L	*66*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-118L	*90*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-123L	*72*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-126L	*59*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-155L	*59*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-156L/157L	*65*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-167L	*65*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*
PCB-169L	*50*		*10 - 145*	*08/17/15 16:34*	*08/26/15 01:05*	*20*

Client Sample ID: SB-204 (0-2')

Lab Sample ID: 680-115653-6

Date Collected: 08/13/15 13:20
Date Received: 08/14/15 13:35

Matrix: Solid
Percent Solids: 85.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-188L	110		10 - 145	08/17/15 16:34	08/26/15 01:05	20
PCB-189L	81		10 - 145	08/17/15 16:34	08/26/15 01:05	20
PCB-202L	116		10 - 145	08/17/15 16:34	08/26/15 01:05	20
PCB-205L	76		10 - 145	08/17/15 16:34	08/26/15 01:05	20
PCB-206L	89		10 - 145	08/17/15 16:34	08/26/15 01:05	20
PCB-208L	97		10 - 145	08/17/15 16:34	08/26/15 01:05	20
PCB-209L	71		10 - 145	08/17/15 16:34	08/26/15 01:05	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	57		5 - 145	08/17/15 16:34	08/26/15 01:05	20
PCB-111L	79		10 - 145	08/17/15 16:34	08/26/15 01:05	20
PCB-178L	76		10 - 145	08/17/15 16:34	08/26/15 01:05	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000011	U	0.0000012	0.00000011	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,7,8-PeCDD	0.00000062	U	0.0000059	0.00000062	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,7,8-PeCDF	**0.0000017**	**J q**	0.0000059	0.00000058	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
2,3,4,7,8-PeCDF	**0.0000024**	**J**	0.0000059	0.00000060	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,4,7,8-HxCDD	**0.00000039**	**J**	0.0000059	0.00000028	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,6,7,8-HxCDD	**0.0000021**	**J**	0.0000059	0.00000025	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,7,8,9-HxCDD	**0.0000018**	**J**	0.0000059	0.00000023	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,4,7,8-HxCDF	**0.0000050**	**J**	0.0000059	0.00000021	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,6,7,8-HxCDF	**0.0000027**	**J**	0.0000059	0.00000019	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,7,8,9-HxCDF	0.00000022	U	0.0000059	0.00000022	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
2,3,4,6,7,8-HxCDF	**0.0000020**	**J**	0.0000059	0.00000021	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,4,6,7,8-HpCDD	**0.000031**		0.0000059	0.00000095	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,4,6,7,8-HpCDF	**0.000018**		0.0000059	0.00000045	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
1,2,3,4,7,8,9-HpCDF	**0.0000015**	**J**	0.0000059	0.00000054	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
OCDD	**0.00049**	**B**	0.000012	0.0000034	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
OCDF	**0.000020**	**B**	0.000012	0.00000018	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
Total TCDD	**0.0000012**	**q**	0.0000012	0.00000011	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
Total TCDF	**0.000041**	**q**	0.0000012	0.00000021	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
Total PeCDD	**0.0000014**	**J q**	0.0000059	0.00000062	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
Total PeCDF	**0.000023**	**q**	0.0000059	0.00000059	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1

Client Sample ID: SB-204 (0-2')

Lab Sample ID: 680-115653-6

Date Collected: 08/13/15 13:20
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 85.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.000021	q	0.0000059	0.00000025	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
Total HxCDF	0.000026	q	0.0000059	0.00000021	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
Total HpCDD	0.000091	B	0.0000059	0.00000095	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1
Total HpCDF	0.000031		0.0000059	0.00000050	mg/Kg	☼	08/17/15 16:58	08/27/15 08:41	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*53*		*40 - 135*	*08/17/15 16:58*	*08/27/15 08:41*	*1*
13C-2,3,7,8-TCDF	*52*		*40 - 135*	*08/17/15 16:58*	*08/27/15 08:41*	*1*
13C-1,2,3,7,8-PeCDD	*55*		*40 - 135*	*08/17/15 16:58*	*08/27/15 08:41*	*1*
13C-1,2,3,7,8-PeCDF	*56*		*40 - 135*	*08/17/15 16:58*	*08/27/15 08:41*	*1*
13C-1,2,3,6,7,8-HxCDD	*55*		*40 - 135*	*08/17/15 16:58*	*08/27/15 08:41*	*1*
13C-1,2,3,4,7,8-HxCDF	*49*		*40 - 135*	*08/17/15 16:58*	*08/27/15 08:41*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*58*		*40 - 135*	*08/17/15 16:58*	*08/27/15 08:41*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*56*		*40 - 135*	*08/17/15 16:58*	*08/27/15 08:41*	*1*
13C-OCDD	*59*		*40 - 135*	*08/17/15 16:58*	*08/27/15 08:41*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000076		0.0000012	0.00000075	mg/Kg	☼	08/17/15 16:58	09/01/15 18:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*49*		*40 - 135*	*08/17/15 16:58*	*09/01/15 18:33*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	3.4		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-207 (0-2')

Date Collected: 08/13/15 14:40
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-7

Matrix: Solid
Percent Solids: 85.3

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**1.1**		0.039	0.012	mg/Kg	☼	08/20/15 12:20	08/21/15 23:38	1
PCB-1260	**0.50**		0.039	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*71*		*54 - 133*	*08/20/15 12:20*	*08/21/15 23:38*	*1*
Tetrachloro-m-xylene	*83*		*46 - 130*	*08/20/15 12:20*	*08/21/15 23:38*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0000063	U	0.00047	0.0000063	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-2	0.0000073	U	0.00047	0.0000073	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-3	0.0000079	U	0.00047	0.0000079	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-4	0.000025	U	0.00047	0.000025	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-5	0.000060	U	0.00047	0.000060	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-6	0.000059	U	0.00047	0.000059	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-7	0.000055	U	0.00047	0.000055	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-8	0.000052	U	0.00047	0.000052	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-9	0.000066	U	0.00047	0.000066	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-10	0.000023	U	0.00047	0.000023	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-11	0.000061	U	0.00047	0.000061	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-12/13	0.000059	U	0.00093	0.000059	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-14	0.000052	U	0.00047	0.000052	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-15	0.000095	U	0.00047	0.000095	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-16	**0.00018**	**J**	0.00047	0.0000093	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-17	**0.00016**	**J B**	0.00047	0.0000078	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-18/30	**0.00045**	**J**	0.00093	0.0000069	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-19	**0.000055**	**J**	0.00047	0.0000075	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-20/28	**0.00044**	**J B**	0.00093	0.000036	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-21/33	**0.00032**	**J**	0.00093	0.000032	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-22	**0.00013**	**J**	0.00047	0.000038	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-23	0.000033	U	0.00047	0.000033	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-24	0.0000062	U	0.00047	0.0000062	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-25	0.000032	U	0.00047	0.000032	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-26/29	**0.000062**	**J**	0.00093	0.000035	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-27	**0.000031**	**J q**	0.00047	0.0000063	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-31	**0.00054**	**B**	0.00047	0.000032	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-32	**0.00014**	**J B**	0.00047	0.0000056	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-34	0.000037	U	0.00047	0.000037	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-35	0.000038	U	0.00047	0.000038	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-36	**0.00012**	**J q**	0.00047	0.000035	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-37	**0.00023**	**J**	0.00047	0.000052	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-38	0.000037	U	0.00047	0.000037	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-39	**0.00037**	**J**	0.00047	0.000034	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-40/71	**0.0016**	**q B**	0.00093	0.000047	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-41	0.000057	U	0.00047	0.000057	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-42	**0.00047**	**q B**	0.00047	0.000047	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-43	0.000053	U	0.00047	0.000053	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-44/47/65	**0.012**	**B**	0.0014	0.000046	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-45	0.000060	U	0.00047	0.000060	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-46	0.000059	U	0.00047	0.000059	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20

Client Sample ID: SB-207 (0-2')

Date Collected: 08/13/15 14:40
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-7

Matrix: Solid
Percent Solids: 85.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-48	**0.00035**	**J q**	0.00047	0.000048	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-49/69	**0.0057**	**B**	0.00093	0.000041	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-50/53	**0.00059**	**J B**	0.00093	0.000050	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-51	0.000047	U	0.00047	0.000047	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-52	**0.038**	**B**	0.00047	0.000053	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-54	0.0000034	U	0.00047	0.0000034	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-55	0.00012	U	0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-56	**0.0029**		0.00047	0.00014	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-57	**0.0016**		0.00047	0.00013	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-58	0.00013	U	0.00047	0.00013	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-59/62/75	0.000037	U	0.0014	0.000037	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-60	0.00013	U	0.00047	0.00013	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-61/70/74/76	**0.028**	**B**	0.0019	0.00013	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-63	0.00012	U	0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-64	**0.0019**	**q**	0.00047	0.000033	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-66	**0.0077**	**B**	0.00047	0.00015	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-67	0.00012	U	0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-68	0.00012	U	0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-72	0.00013	U	0.00047	0.00013	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-73	0.000039	U	0.00047	0.000039	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-77	**0.0019**	**G**	0.00017	0.00017	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-78	**0.00044**	**J**	0.00047	0.00014	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-79	**0.0015**		0.00047	0.00014	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-80	**0.00015**	**J**	0.00047	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-81	**0.00040**	**G**	0.00017	0.00017	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-82	**0.010**	**G**	0.0021	0.0021	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-83	**0.0040**	**G**	0.0025	0.0025	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-84	**0.021**	**G B**	0.0021	0.0021	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-85/116/117	**0.016**	**G B**	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-86/87/97/108/119/125	**0.064**	**B**	0.0028	0.0016	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-88/91	**0.011**	**G B**	0.0018	0.0018	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-89	0.0020	U G	0.0020	0.0020	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-90/101/113	**0.099**	**G B**	0.0016	0.0016	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-92	0.0019	U G	0.0019	0.0019	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-93/100	0.0018	U G	0.0018	0.0018	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-107/124	**0.0044**	**G q**	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-94	0.0019	U G	0.0019	0.0019	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-95	**0.053**	**B G E**	0.0019	0.0019	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-96	**0.00045**	**J**	0.00047	0.0000053	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-98/102	0.0017	U G	0.0017	0.0017	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-99	**0.049**	**B G E**	0.0017	0.0017	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-103	0.0017	U G	0.0017	0.0017	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-104	0.0000054	U	0.00047	0.0000054	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-105	**0.047**	**E B G**	0.0016	0.0016	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-106	0.0015	U G	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-110/115	**0.15**	**B G E**	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-109	**0.0075**	**G**	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-111	0.0013	U G	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-112	0.0013	U G	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20

Client Sample ID: SB-207 (0-2')

Date Collected: 08/13/15 14:40
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-7

Matrix: Solid
Percent Solids: 85.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-114	**0.0023**	**G**	0.0016	0.0016	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-118	**0.11**	**E B G**	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-120	0.0014	U G	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-121	0.0013	U G	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-122	**0.0021**	**G**	0.0016	0.0016	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-123	**0.0017**	**G q**	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-126	0.0028	U G	0.0028	0.0028	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-127	0.0017	U G	0.0017	0.0017	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-128/166	**0.034**		0.00093	0.00076	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-129/138/163	**0.21**	**B E**	0.0014	0.00076	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-130	**0.013**	**G**	0.00095	0.00095	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-131	**0.0026**	**G**	0.00090	0.00090	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-132	**0.060**	**B G E**	0.00083	0.00083	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-133	**0.0019**	**G**	0.00082	0.00082	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-134/143	**0.010**		0.00093	0.00084	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-135/151	**0.046**	**B**	0.00093	0.00079	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-136	**0.018**	**G B**	0.00059	0.00059	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-137	**0.011**	**G**	0.00082	0.00082	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-139/140	**0.0032**		0.00093	0.00075	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-141	**0.034**	**G**	0.00079	0.00079	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-142	0.00080	U G	0.00080	0.00080	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-144	**0.0048**	**G**	0.00075	0.00075	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-145	0.00056	U G	0.00056	0.00056	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-146	**0.023**	**G**	0.00080	0.00080	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-147/149	**0.12**	**B E**	0.00093	0.00076	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-148	0.00074	U G	0.00074	0.00074	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-150	0.00052	U G	0.00052	0.00052	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-152	0.00056	U G	0.00056	0.00056	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-153/168	**0.13**	**B E**	0.00093	0.00065	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-154	**0.0011**	**G**	0.00067	0.00067	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-155	0.00042	U	0.00047	0.00042	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-156/157	**0.024**	**G B**	0.00030	0.00030	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-158	**0.023**	**G**	0.00060	0.00060	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-159	0.00021	U	0.00047	0.00021	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-160	0.00072	U G	0.00072	0.00072	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-161	0.00059	U G	0.00059	0.00059	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-162	**0.0012**		0.00047	0.00020	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-164	**0.013**	**G**	0.00061	0.00061	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-165	0.00069	U G	0.00069	0.00069	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-167	**0.0076**	**G**	0.00019	0.00019	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-169	0.00039	U G	0.00039	0.00039	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-170	**0.032**		0.00047	0.000073	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-171/173	**0.011**		0.00093	0.000063	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-172	**0.0053**		0.00047	0.000065	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-174	**0.032**		0.00047	0.000061	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-175	**0.0014**		0.00047	0.000027	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-176	**0.0038**		0.00047	0.000019	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-177	**0.018**		0.00047	0.000063	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-178	**0.0053**		0.00047	0.000028	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20

Client Sample ID: SB-207 (0-2')

Date Collected: 08/13/15 14:40
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-7

Matrix: Solid
Percent Solids: 85.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-179	**0.012**		0.00047	0.000020	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-180/193	**0.063**	**B**	0.00093	0.000055	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-181	0.000056	U	0.00047	0.000056	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-182	0.000025	U	0.00047	0.000025	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-183	**0.016**		0.00047	0.000050	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-184	0.000020	U	0.00047	0.000020	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-185	**0.0036**		0.00047	0.000056	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-186	0.000020	U	0.00047	0.000020	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-187	**0.032**	**B**	0.00047	0.000026	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-188	0.000018	U	0.00047	0.000018	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-189	**0.0013**		0.000047	0.000028	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-190	**0.0063**		0.00047	0.000052	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-191	**0.0015**		0.00047	0.000049	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-192	0.000051	U	0.00047	0.000051	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-194	**0.0084**		0.00047	0.000015	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-195	**0.0038**		0.00047	0.000014	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-196	**0.0058**		0.00047	0.000024	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-197	**0.00036**	**J**	0.00047	0.000015	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-198/199	**0.011**		0.00093	0.000024	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-200	**0.0016**		0.00047	0.000015	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-201	**0.0014**		0.00047	0.000015	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-202	**0.0016**		0.00047	0.000014	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-203	**0.0071**		0.00047	0.000023	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-204	0.000016	U	0.00047	0.000016	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-205	**0.00065**		0.00047	0.000016	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-206	**0.0025**		0.00047	0.0000081	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-207	**0.00035**	**J**	0.00047	0.0000048	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-208	**0.00052**		0.00047	0.0000053	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20
PCB-209	**0.00021**	**J**	0.00047	0.0000048	mg/Kg	☼	08/17/15 16:34	08/26/15 02:21	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*51*		*5 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-3L	*59*		*5 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-4L	*68*		*5 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-15L	*71*		*5 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-19L	*96*		*5 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-37L	*70*		*5 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-54L	*70*		*5 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-77L	*93*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-81L	*87*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-104L	*73*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-105L	*97*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-114L	*92*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-118L	*106*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-123L	*94*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-126L	*87*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-155L	*66*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-156L/157L	*75*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-167L	*77*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*
PCB-169L	*65*		*10 - 145*	*08/17/15 16:34*	*08/26/15 02:21*	*20*

Client Sample ID: SB-207 (0-2')

Date Collected: 08/13/15 14:40
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-7

Matrix: Solid
Percent Solids: 85.3

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-188L	109		10 - 145	08/17/15 16:34	08/26/15 02:21	20
PCB-189L	91		10 - 145	08/17/15 16:34	08/26/15 02:21	20
PCB-202L	119		10 - 145	08/17/15 16:34	08/26/15 02:21	20
PCB-205L	84		10 - 145	08/17/15 16:34	08/26/15 02:21	20
PCB-206L	85		10 - 145	08/17/15 16:34	08/26/15 02:21	20
PCB-208L	95		10 - 145	08/17/15 16:34	08/26/15 02:21	20
PCB-209L	78		10 - 145	08/17/15 16:34	08/26/15 02:21	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	70		5 - 145	08/17/15 16:34	08/26/15 02:21	20
PCB-111L	100		10 - 145	08/17/15 16:34	08/26/15 02:21	20
PCB-178L	83		10 - 145	08/17/15 16:34	08/26/15 02:21	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	**0.00000015**	**J q**	0.0000012	0.000000059	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
2,3,7,8-TCDF	**0.0000080**		0.0000012	0.00000022	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,7,8-PeCDD	0.00000035	U	0.0000058	0.00000035	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,7,8-PeCDF	**0.00000094**	**J**	0.0000058	0.00000042	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
2,3,4,7,8-PeCDF	**0.0000021**	**J**	0.0000058	0.00000044	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,4,7,8-HxCDD	**0.0000010**	**J**	0.0000058	0.00000019	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,6,7,8-HxCDD	**0.0000047**	**J**	0.0000058	0.00000016	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,7,8,9-HxCDD	**0.0000038**	**J**	0.0000058	0.00000016	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,4,7,8-HxCDF	**0.0000056**	**J**	0.0000058	0.00000022	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,6,7,8-HxCDF	**0.0000034**	**J**	0.0000058	0.00000019	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,7,8,9-HxCDF	0.00000023	U	0.0000058	0.00000023	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
2,3,4,6,7,8-HxCDF	**0.0000015**	**J**	0.0000058	0.00000022	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,4,6,7,8-HpCDD	**0.00017**		0.0000058	0.0000040	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,4,6,7,8-HpCDF	**0.000036**		0.0000058	0.00000062	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
1,2,3,4,7,8,9-HpCDF	0.00000075	U	0.0000058	0.00000075	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
OCDD	**0.0021**	**B**	0.000012	0.0000099	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
OCDF	**0.000096**	**B**	0.000012	0.00000041	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
Total TCDD	**0.0000016**	**q**	0.0000012	0.000000059	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
Total TCDF	**0.000027**	**q**	0.0000012	0.00000022	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
Total PeCDD	**0.00000045**	**J q**	0.0000058	0.00000035	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
Total PeCDF	**0.000022**		0.0000058	0.00000043	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-207 (0-2')

Date Collected: 08/13/15 14:40
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-7

Matrix: Solid
Percent Solids: 85.3

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.000063		0.0000058	0.00000017	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
Total HxCDF	0.000043		0.0000058	0.00000022	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
Total HpCDD	0.00070	B	0.0000058	0.0000040	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1
Total HpCDF	0.00011		0.0000058	0.00000069	mg/Kg	☼	08/17/15 16:58	08/27/15 09:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*84*		*40 - 135*	*08/17/15 16:58*	*08/27/15 09:23*	*1*
13C-2,3,7,8-TCDF	*88*		*40 - 135*	*08/17/15 16:58*	*08/27/15 09:23*	*1*
13C-1,2,3,7,8-PeCDD	*93*		*40 - 135*	*08/17/15 16:58*	*08/27/15 09:23*	*1*
13C-1,2,3,7,8-PeCDF	*92*		*40 - 135*	*08/17/15 16:58*	*08/27/15 09:23*	*1*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*	*08/17/15 16:58*	*08/27/15 09:23*	*1*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*	*08/17/15 16:58*	*08/27/15 09:23*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*91*		*40 - 135*	*08/17/15 16:58*	*08/27/15 09:23*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*92*		*40 - 135*	*08/17/15 16:58*	*08/27/15 09:23*	*1*
13C-OCDD	*86*		*40 - 135*	*08/17/15 16:58*	*08/27/15 09:23*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	1.8		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-200 (0-2')

Lab Sample ID: 680-115653-8
Date Collected: 08/13/15 16:45
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 81.8

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**0.056**		0.039	0.012	mg/Kg	☼	08/20/15 12:20	08/21/15 23:52	1
PCB-1260	**0.033**	**J**	0.039	0.011	mg/Kg	☼	08/20/15 12:20	08/21/15 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*89*		*54 - 133*	*08/20/15 12:20*	*08/21/15 23:52*	*1*
Tetrachloro-m-xylene	*83*		*46 - 130*	*08/20/15 12:20*	*08/21/15 23:52*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0000027	U	0.00049	0.0000027	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-2	0.0000031	U	0.00049	0.0000031	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-3	0.0000034	U	0.00049	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-4	0.000019	U	0.00049	0.000019	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-5	0.000052	U	0.00049	0.000052	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-6	0.000051	U	0.00049	0.000051	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-7	0.000048	U	0.00049	0.000048	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-8	0.000045	U	0.00049	0.000045	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-9	0.000057	U	0.00049	0.000057	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-10	0.000016	U	0.00049	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-11	0.000053	U	0.00049	0.000053	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-12/13	0.000051	U	0.00098	0.000051	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-14	0.000045	U	0.00049	0.000045	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-15	0.000076	U	0.00049	0.000076	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-16	0.0000063	U	0.00049	0.0000063	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-17	0.0000053	U	0.00049	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-18/30	**0.000019**	**J**	0.00098	0.0000047	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-19	0.0000061	U	0.00049	0.0000061	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-20/28	**0.000022**	**J B**	0.00098	0.0000089	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-21/33	0.0000078	U	0.00098	0.0000078	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-22	0.0000093	U	0.00049	0.0000093	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-23	0.0000081	U	0.00049	0.0000081	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-24	0.0000042	U	0.00049	0.0000042	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-25	0.0000080	U	0.00049	0.0000080	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-26/29	0.0000086	U	0.00098	0.0000086	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-27	0.0000043	U	0.00049	0.0000043	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-31	**0.000021**	**J q B**	0.00049	0.0000080	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-32	**0.0000074**	**J B**	0.00049	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-34	0.0000090	U	0.00049	0.0000090	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-35	0.0000093	U	0.00049	0.0000093	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-36	0.0000087	U	0.00049	0.0000087	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-37	0.000011	U	0.00049	0.000011	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-38	0.0000092	U	0.00049	0.0000092	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-39	0.0000083	U	0.00049	0.0000083	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-40/71	**0.000074**	**J q B**	0.00098	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-41	0.0000065	U	0.00049	0.0000065	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-42	0.000023	U	0.00049	0.000023	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-43	0.0000060	U	0.00049	0.0000060	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-44/47/65	**0.00063**	**J B**	0.0015	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-45	0.0000068	U	0.00049	0.0000068	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-46	0.0000066	U	0.00049	0.0000066	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20

Client Sample ID: SB-200 (0-2')

Date Collected: 08/13/15 16:45
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-8

Matrix: Solid
Percent Solids: 81.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-48	**0.000024**	**J**	0.00049	0.0000054	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-49/69	**0.00034**	**J B**	0.00098	0.0000047	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-50/53	**0.000042**	**J B**	0.00098	0.0000057	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-51	0.0000054	U	0.00049	0.0000054	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-52	**0.0021**	**B**	0.00049	0.0000060	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-54	0.0000033	U	0.00049	0.0000033	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-55	0.000013	U	0.00049	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-56	**0.00017**	**J**	0.00049	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-57	0.000015	U	0.00049	0.000015	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-58	0.000014	U	0.00049	0.000014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-59/62/75	0.0000041	U	0.0015	0.0000041	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-60	0.000014	U	0.00049	0.000014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-61/70/74/76	**0.0017**	**J B**	0.0020	0.000014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-63	0.000014	U	0.00049	0.000014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-64	0.0000037	U	0.00049	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-66	**0.00054**	**B**	0.00049	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-67	**0.000056**	**J**	0.00049	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-68	0.000013	U	0.00049	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-72	0.000014	U	0.00049	0.000014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-73	0.0000045	U	0.00049	0.0000045	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-77	**0.00013**		0.000049	0.000023	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-78	**0.000028**	**J**	0.00049	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-79	**0.000096**	**J**	0.00049	0.000015	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-80	0.000013	U	0.00049	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-81	0.000019	U	0.000049	0.000019	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-82	**0.00089**		0.00049	0.00015	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-83	**0.00023**	**J**	0.00049	0.00018	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-84	**0.0013**	**B**	0.00049	0.00015	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-85/116/117	**0.0011**	**J B**	0.0015	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-86/87/97/108/119/125	**0.0041**	**B**	0.0029	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-88/91	**0.00075**	**J B**	0.00098	0.00013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-89	0.00014	U	0.00049	0.00014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-90/101/113	**0.0060**	**B**	0.0015	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-92	0.00014	U	0.00049	0.00014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-93/100	0.00013	U	0.00098	0.00013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-107/124	**0.00024**	**J**	0.00098	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-94	0.00014	U	0.00049	0.00014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-95	**0.0021**	**B**	0.00049	0.00014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-96	**0.000026**	**J q**	0.00049	0.0000072	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-98/102	0.00012	U	0.00098	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-99	**0.0029**	**B**	0.00049	0.00013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-103	0.00013	U	0.00049	0.00013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-104	0.0000062	U	0.00049	0.0000062	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-105	**0.0028**	**G B**	0.00013	0.00013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-106	0.00011	U	0.00049	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-110/115	**0.0097**	**B**	0.00098	0.00010	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-109	**0.00038**	**J**	0.00049	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-111	0.000093	U	0.00049	0.000093	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-112	0.000092	U	0.00049	0.000092	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20

Client Sample ID: SB-200 (0-2')

Date Collected: 08/13/15 16:45
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-8

Matrix: Solid
Percent Solids: 81.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-114	0.00016	G	0.00012	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-118	0.0066	G B	0.00010	0.00010	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-120	0.00010	U	0.00049	0.00010	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-121	0.000098	U	0.00049	0.000098	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-122	0.00016	J	0.00049	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-123	0.00011	G	0.00011	0.00011	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-126	0.00019	U G	0.00019	0.00019	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-127	0.00012	U	0.00049	0.00012	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-128/166	0.0020		0.00098	0.000047	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-129/138/163	0.011	B	0.0015	0.000047	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-130	0.00075		0.00049	0.000059	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-131	0.00017	J	0.00049	0.000056	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-132	0.0033	B	0.00049	0.000051	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-133	0.000094	J	0.00049	0.000051	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-134/143	0.00066	J	0.00098	0.000052	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-135/151	0.0021	B	0.00098	0.000049	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-136	0.00096	B	0.00049	0.000037	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-137	0.00065		0.00049	0.000051	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-139/140	0.00021	J	0.00098	0.000046	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-141	0.0017		0.00049	0.000049	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-142	0.000050	U	0.00049	0.000050	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-144	0.00033	J	0.00049	0.000047	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-145	0.000035	U	0.00049	0.000035	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-146	0.0011		0.00049	0.000050	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-147/149	0.0058	B	0.00098	0.000047	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-148	0.000046	U	0.00049	0.000046	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-150	0.000032	U	0.00049	0.000032	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-152	0.000035	U	0.00049	0.000035	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-153/168	0.0063	B	0.00098	0.000040	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-154	0.000072	J	0.00049	0.000042	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-155	0.000024	U	0.00049	0.000024	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-156/157	0.0014	B	0.000098	0.000020	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-158	0.0013		0.00049	0.000037	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-159	0.000014	U	0.00049	0.000014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-160	0.000045	U	0.00049	0.000045	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-161	0.000037	U	0.00049	0.000037	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-162	0.000053	J	0.00049	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-164	0.00067		0.00049	0.000038	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-165	0.000043	U	0.00049	0.000043	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-167	0.00045		0.000049	0.000014	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-169	0.000027	U	0.000049	0.000027	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-170	0.0013		0.00049	0.0000075	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-171/173	0.00042	J	0.00098	0.0000065	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-172	0.00020	J	0.00049	0.0000067	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-174	0.0010		0.00049	0.0000063	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-175	0.000044	J	0.00049	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-176	0.00011	J	0.00049	0.0000036	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-177	0.00058		0.00049	0.0000065	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-178	0.00015	J	0.00049	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20

Client Sample ID: SB-200 (0-2')

Date Collected: 08/13/15 16:45
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-8

Matrix: Solid
Percent Solids: 81.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-179	0.00033	J	0.00049	0.0000039	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-180/193	0.0020	B	0.00098	0.0000056	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-181	0.000024	J q	0.00049	0.0000058	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-182	0.0000048	U	0.00049	0.0000048	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-183	0.00055		0.00049	0.0000051	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-184	0.0000039	U	0.00049	0.0000039	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-185	0.000096	J	0.00049	0.0000058	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-186	0.0000038	U	0.00049	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-187	0.00089	B	0.00049	0.0000050	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-188	0.0000034	U	0.00049	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-189	0.000063		0.000049	0.0000068	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-190	0.00022	J	0.00049	0.0000054	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-191	0.000065	J	0.00049	0.0000051	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-192	0.0000053	U	0.00049	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-194	0.00021	J	0.00049	0.0000060	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-195	0.000080	J q	0.00049	0.0000055	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-196	0.00015	J	0.00049	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-197	0.0000084	J q	0.00049	0.0000033	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-198/199	0.00029	J	0.00098	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-200	0.000040	J	0.00049	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-201	0.000039	J	0.00049	0.0000033	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-202	0.000045	J	0.00049	0.0000030	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-203	0.00020	J	0.00049	0.0000050	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-204	0.0000034	U	0.00049	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-205	0.000018	J	0.00049	0.0000071	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-206	0.00014	J	0.00049	0.0000062	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-207	0.000011	J q	0.00049	0.0000034	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-208	0.000028	J q	0.00049	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20
PCB-209	0.000035	J	0.00049	0.0000043	mg/Kg	☼	08/17/15 16:34	08/25/15 21:20	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*55*		*5 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-3L	*65*		*5 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-4L	*72*		*5 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-15L	*79*		*5 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-19L	*91*		*5 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-37L	*75*		*5 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-54L	*94*		*5 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-77L	*82*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-81L	*88*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-104L	*88*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-105L	*94*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-114L	*99*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-118L	*103*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-123L	*98*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-126L	*87*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-155L	*84*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-156L/157L	*87*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-167L	*88*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*
PCB-169L	*76*		*10 - 145*	*08/17/15 16:34*	*08/25/15 21:20*	*20*

Client Sample ID: SB-200 (0-2')

Lab Sample ID: 680-115653-8

Date Collected: 08/13/15 16:45
Date Received: 08/14/15 13:35

Matrix: Solid
Percent Solids: 81.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-188L	107		10 - 145	08/17/15 16:34	08/25/15 21:20	20
PCB-189L	87		10 - 145	08/17/15 16:34	08/25/15 21:20	20
PCB-202L	123		10 - 145	08/17/15 16:34	08/25/15 21:20	20
PCB-205L	84		10 - 145	08/17/15 16:34	08/25/15 21:20	20
PCB-206L	87		10 - 145	08/17/15 16:34	08/25/15 21:20	20
PCB-208L	106		10 - 145	08/17/15 16:34	08/25/15 21:20	20
PCB-209L	82		10 - 145	08/17/15 16:34	08/25/15 21:20	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	70		5 - 145	08/17/15 16:34	08/25/15 21:20	20
PCB-111L	104		10 - 145	08/17/15 16:34	08/25/15 21:20	20
PCB-178L	91		10 - 145	08/17/15 16:34	08/25/15 21:20	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000000047	U	0.0000012	0.0000000 47	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
2,3,7,8-TCDF	**0.00000060**	**J**	0.0000012	0.0000000 41	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,7,8-PeCDD	**0.00000030**	**J**	0.0000061	0.0000000 99	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,7,8-PeCDF	**0.00000016**	**J q**	0.0000061	0.0000000 63	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
2,3,4,7,8-PeCDF	**0.00000021**	**J q**	0.0000061	0.0000000 66	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,4,7,8-HxCDD	**0.00000057**	**J q**	0.0000061	0.0000001 4	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,6,7,8-HxCDD	**0.0000015**	**J**	0.0000061	0.0000001 2	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,7,8,9-HxCDD	**0.0000039**	**J**	0.0000061	0.0000001 2	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,4,7,8-HxCDF	**0.00000085**	**J**	0.0000061	0.0000000 78	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,6,7,8-HxCDF	**0.00000031**	**J**	0.0000061	0.0000000 68	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,7,8,9-HxCDF	0.000000081	U	0.0000061	0.0000000 81	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
2,3,4,6,7,8-HxCDF	**0.00000014**	**J**	0.0000061	0.0000000 75	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,4,6,7,8-HpCDD	**0.00015**		0.0000061	0.0000051	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,4,6,7,8-HpCDF	**0.0000048**	**J**	0.0000061	0.0000001 5	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
1,2,3,4,7,8,9-HpCDF	0.00000018	U	0.0000061	0.0000001 8	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
OCDD	**0.015**	**E B G**	0.000052	0.000052	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
OCDF	**0.000048**	**B**	0.000012	0.0000001 4	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
Total TCDD	**0.00000056**	**J q**	0.0000012	0.0000000 47	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
Total TCDF	**0.0000031**	**q**	0.0000012	0.0000000 41	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
Total PeCDD	**0.0000026**	**J q**	0.0000061	0.0000000 99	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
Total PeCDF	**0.0000027**	**J q**	0.0000061	0.0000000 64	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1

Client Sample ID: SB-200 (0-2')

Lab Sample ID: 680-115653-8

Date Collected: 08/13/15 16:45
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 81.8

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.000042	q	0.0000061	0.00000013	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
Total HxCDF	0.0000061	q	0.0000061	0.0000000076	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
Total HpCDD	0.00096	B	0.0000061	0.0000051	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1
Total HpCDF	0.000025		0.0000061	0.00000016	mg/Kg	☼	08/17/15 16:58	08/27/15 10:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*87*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:05*	*1*
13C-2,3,7,8-TCDF	*92*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:05*	*1*
13C-1,2,3,7,8-PeCDD	*96*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:05*	*1*
13C-1,2,3,7,8-PeCDF	*102*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:05*	*1*
13C-1,2,3,6,7,8-HxCDD	*90*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:05*	*1*
13C-1,2,3,4,7,8-HxCDF	*82*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:05*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*100*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:05*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*96*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:05*	*1*
13C-OCDD	*105*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:05*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.096		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-200 (2-4')

Date Collected: 08/13/15 16:50
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-9

Matrix: Solid
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
PCB-1254	0.012	U	0.039	0.012	mg/Kg	☼	08/20/15 12:20	08/22/15 00:06	1
PCB-1260	0.011	U	0.039	0.011	mg/Kg	☼	08/20/15 12:20	08/22/15 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*98*		*54 - 133*	*08/20/15 12:20*	*08/22/15 00:06*	*1*
Tetrachloro-m-xylene	*89*		*46 - 130*	*08/20/15 12:20*	*08/22/15 00:06*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0000016	U	0.00024	0.0000016	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-2	0.0000018	U	0.00024	0.0000018	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-3	0.0000019	U	0.00024	0.0000019	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-4	0.000013	U	0.00024	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-5	0.000050	U	0.00024	0.000050	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-6	0.000049	U	0.00024	0.000049	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-7	0.000046	U	0.00024	0.000046	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-8	0.000043	U	0.00024	0.000043	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-9	0.000055	U	0.00024	0.000055	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-10	0.000012	U	0.00024	0.000012	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-11	0.000051	U	0.00024	0.000051	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-12/13	0.000049	U	0.00048	0.000049	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-14	0.000043	U	0.00024	0.000043	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-15	0.000079	U	0.00024	0.000079	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-16	0.0000062	U	0.00024	0.0000062	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-17	0.0000052	U	0.00024	0.0000052	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-18/30	**0.000011**	**J**	0.00048	0.0000046	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-19	0.0000048	U	0.00024	0.0000048	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-20/28	**0.000013**	**J B**	0.00048	0.0000046	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-21/33	0.0000040	U	0.00048	0.0000040	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-22	0.0000048	U	0.00024	0.0000048	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-23	0.0000041	U	0.00024	0.0000041	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-24	0.0000042	U	0.00024	0.0000042	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-25	0.0000041	U	0.00024	0.0000041	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-26/29	0.0000044	U	0.00048	0.0000044	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-27	0.0000042	U	0.00024	0.0000042	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-31	**0.000019**	**J B**	0.00024	0.0000041	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-32	0.0000038	U	0.00024	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-34	0.0000046	U	0.00024	0.0000046	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-35	0.0000048	U	0.00024	0.0000048	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-36	0.0000045	U	0.00024	0.0000045	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-37	0.0000070	U	0.00024	0.0000070	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-38	0.0000047	U	0.00024	0.0000047	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-39	**0.0000088**	**J q**	0.00024	0.0000043	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-40/71	**0.000057**	**J B**	0.00048	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-41	0.0000045	U	0.00024	0.0000045	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-42	**0.000022**	**J B**	0.00024	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-43	0.0000042	U	0.00024	0.0000042	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-44/47/65	**0.00027**	**J B**	0.00072	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-45	0.0000048	U	0.00024	0.0000048	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-46	0.0000046	U	0.00024	0.0000046	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10

Client Sample ID: SB-200 (2-4')

Date Collected: 08/13/15 16:50
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-9

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-48	**0.000019**	**J**	0.00024	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-49/69	**0.00014**	**J B**	0.00048	0.0000033	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-50/53	**0.000016**	**J B**	0.00048	0.0000040	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-51	0.0000037	U	0.00024	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-52	**0.00079**	**B**	0.00024	0.0000042	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-54	0.0000028	U	0.00024	0.0000028	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-55	0.0000080	U	0.00024	0.0000080	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-56	**0.000087**	**J**	0.00024	0.0000099	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-57	0.0000093	U	0.00024	0.0000093	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-58	**0.000033**	**J**	0.00024	0.0000091	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-59/62/75	0.0000029	U	0.00072	0.0000029	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-60	**0.000034**	**J**	0.00024	0.0000088	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-61/70/74/76	**0.00065**	**J B**	0.00095	0.0000089	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-63	0.0000086	U	0.00024	0.0000086	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-64	**0.000061**	**J**	0.00024	0.0000026	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-66	**0.00023**	**J B**	0.00024	0.000010	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-67	0.0000085	U	0.00024	0.0000085	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-68	0.0000082	U	0.00024	0.0000082	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-72	0.0000089	U	0.00024	0.0000089	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-73	0.0000031	U	0.00024	0.0000031	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-77	**0.000024**		0.000024	0.000012	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-78	0.000010	U	0.00024	0.000010	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-79	**0.000043**	**J**	0.00024	0.0000095	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-80	0.0000084	U	0.00024	0.0000084	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-81	0.000011	U	0.000024	0.000011	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-82	**0.00032**		0.00024	0.000068	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-83	0.000080	U	0.00024	0.000080	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-84	**0.00043**	**B**	0.00024	0.000068	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-85/116/117	**0.00027**	**J B**	0.00072	0.000050	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-86/87/97/108/119/125	**0.0013**	**J B**	0.0014	0.000052	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-88/91	**0.00019**	**J B**	0.00048	0.000059	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-89	0.000065	U	0.00024	0.000065	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-90/101/113	**0.0019**	**B**	0.00072	0.000052	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-92	**0.00032**	**B**	0.00024	0.000062	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-93/100	0.000060	U	0.00048	0.000060	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-107/124	**0.000082**	**J**	0.00048	0.000047	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-94	0.000063	U	0.00024	0.000063	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-95	**0.00090**	**B**	0.00024	0.000062	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-96	**0.0000050**	**J q**	0.00024	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-98/102	0.000054	U	0.00048	0.000054	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-99	**0.00079**	**B**	0.00024	0.000056	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-103	0.000056	U	0.00024	0.000056	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-104	0.0000042	U	0.00024	0.0000042	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-105	**0.00073**	**G B**	0.000053	0.000053	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-106	0.000050	U	0.00024	0.000050	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-110/115	**0.0024**	**B**	0.00048	0.000045	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-109	**0.000091**	**J**	0.00024	0.000047	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-111	0.000041	U	0.00024	0.000041	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-112	0.000041	U	0.00024	0.000041	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10

Client Sample ID: SB-200 (2-4')

Date Collected: 08/13/15 16:50
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-9

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-114	0.000049	U G	0.000049	0.000049	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-118	**0.0016**	**G B**	0.000044	0.000044	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-120	0.000045	U	0.00024	0.000045	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-121	0.000044	U	0.00024	0.000044	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-122	0.000053	U	0.00024	0.000053	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-123	0.000047	U G	0.000047	0.000047	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-126	0.00010	U G	0.00010	0.00010	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-127	0.000054	U	0.00024	0.000054	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-128/166	**0.00040**	**J**	0.00048	0.000022	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-129/138/163	**0.0022**	**B**	0.00072	0.000022	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-130	**0.00015**	**J**	0.00024	0.000027	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-131	**0.000030**	**J**	0.00024	0.000026	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-132	**0.00064**	**B**	0.00024	0.000024	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-133	0.000023	U	0.00024	0.000023	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-134/143	**0.00012**	**J**	0.00048	0.000024	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-135/151	**0.00044**	**J B**	0.00048	0.000023	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-136	**0.00019**	**J B**	0.00024	0.000017	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-137	**0.00013**	**J**	0.00024	0.000024	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-139/140	**0.000040**	**J**	0.00048	0.000021	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-141	**0.00037**		0.00024	0.000022	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-142	0.000023	U	0.00024	0.000023	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-144	**0.000075**	**J**	0.00024	0.000021	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-145	0.000016	U	0.00024	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-146	**0.00023**	**J**	0.00024	0.000023	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-147/149	**0.0012**	**B**	0.00048	0.000022	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-148	0.000021	U	0.00024	0.000021	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-150	0.000015	U	0.00024	0.000015	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-152	0.000016	U	0.00024	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-153/168	**0.0012**	**B**	0.00048	0.000018	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-154	0.000019	U	0.00024	0.000019	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-155	0.000015	U	0.00024	0.000015	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-156/157	**0.00037**	**B**	0.000048	0.000016	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-158	**0.00028**		0.00024	0.000017	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-159	0.000013	U	0.00024	0.000013	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-160	0.000021	U	0.00024	0.000021	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-161	0.000017	U	0.00024	0.000017	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-162	0.000012	U	0.00024	0.000012	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-164	**0.00014**	**J**	0.00024	0.000017	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-165	0.000020	U	0.00024	0.000020	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-167	**0.00011**		0.000024	0.000011	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-169	0.000022	U	0.000024	0.000022	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-170	**0.00038**		0.00024	0.0000068	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-171/173	**0.00010**	**J q**	0.00048	0.0000059	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-172	**0.000058**	**J**	0.00024	0.0000061	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-174	**0.00029**		0.00024	0.0000057	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-175	**0.000010**	**J**	0.00024	0.0000029	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-176	**0.000024**	**J**	0.00024	0.0000020	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-177	**0.00017**	**J**	0.00024	0.0000059	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-178	**0.000031**	**J**	0.00024	0.0000029	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10

Client Sample ID: SB-200 (2-4')

Date Collected: 08/13/15 16:50
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-9

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-179	**0.000066**	**J**	0.00024	0.0000021	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-180/193	**0.00063**	**B**	0.00048	0.0000051	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-181	0.0000053	U	0.00024	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-182	0.0000026	U	0.00024	0.0000026	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-183	**0.00014**	**J**	0.00024	0.0000046	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-184	0.0000021	U	0.00024	0.0000021	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-185	**0.000042**	**J**	0.00024	0.0000053	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-186	0.0000021	U	0.00024	0.0000021	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-187	**0.00020**	**J B**	0.00024	0.0000027	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-188	0.0000023	U	0.00024	0.0000023	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-189	**0.000020**	**J**	0.000024	0.0000065	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-190	**0.000075**	**J**	0.00024	0.0000048	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-191	**0.000029**	**J**	0.00024	0.0000046	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-192	0.0000048	U	0.00024	0.0000048	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-194	**0.00011**	**J**	0.00024	0.0000054	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-195	**0.000034**	**J**	0.00024	0.0000049	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-196	**0.000038**	**J**	0.00024	0.0000062	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-197	0.0000039	U	0.00024	0.0000039	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-198/199	**0.000072**	**J**	0.00048	0.0000063	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-200	**0.0000058**	**J**	0.00024	0.0000040	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-201	0.0000038	U	0.00024	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-202	**0.000017**	**J**	0.00024	0.0000040	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-203	**0.000058**	**J**	0.00024	0.0000059	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-204	0.0000040	U	0.00024	0.0000040	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-205	0.0000047	U	0.00024	0.0000047	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-206	**0.000062**	**J**	0.00024	0.0000040	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-207	0.0000022	U	0.00024	0.0000022	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-208	**0.0000064**	**J q**	0.00024	0.0000024	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10
PCB-209	**0.000011**	**J**	0.00024	0.0000028	mg/Kg	☼	08/17/15 16:34	08/25/15 15:39	10

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*45*		*5 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-3L	*52*		*5 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-4L	*50*		*5 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-15L	*55*		*5 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-19L	*55*		*5 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-37L	*71*		*5 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-54L	*48*		*5 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-77L	*82*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-81L	*85*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-104L	*51*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-105L	*84*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-114L	*87*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-118L	*91*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-123L	*83*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-126L	*67*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-155L	*79*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-156L/157L	*114*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-167L	*118*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*
PCB-169L	*98*		*10 - 145*	*08/17/15 16:34*	*08/25/15 15:39*	*10*

Client Sample ID: SB-200 (2-4')

Date Collected: 08/13/15 16:50
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-9

Matrix: Solid
Percent Solids: 82.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-188L	58		10 - 145	08/17/15 16:34	08/25/15 15:39	10
PCB-189L	89		10 - 145	08/17/15 16:34	08/25/15 15:39	10
PCB-202L	79		10 - 145	08/17/15 16:34	08/25/15 15:39	10
PCB-205L	84		10 - 145	08/17/15 16:34	08/25/15 15:39	10
PCB-206L	75		10 - 145	08/17/15 16:34	08/25/15 15:39	10
PCB-208L	91		10 - 145	08/17/15 16:34	08/25/15 15:39	10
PCB-209L	61		10 - 145	08/17/15 16:34	08/25/15 15:39	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	72		5 - 145	08/17/15 16:34	08/25/15 15:39	10
PCB-111L	89		10 - 145	08/17/15 16:34	08/25/15 15:39	10
PCB-178L	79		10 - 145	08/17/15 16:34	08/25/15 15:39	10

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	**0.00000011**	**J**	0.0000012	0.0000000 46	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
2,3,7,8-TCDF	**0.00000012**	**J**	0.0000012	0.0000000 29	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,7,8-PeCDD	**0.00000030**	**J**	0.0000060	0.0000000 73	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,7,8-PeCDF	0.000000031	U	0.0000060	0.0000000 31	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
2,3,4,7,8-PeCDF	0.000000032	U	0.0000060	0.0000000 32	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,4,7,8-HxCDD	**0.00000056**	**J**	0.0000060	0.0000002 1	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,6,7,8-HxCDD	**0.0000011**	**J q**	0.0000060	0.0000001 8	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,7,8,9-HxCDD	**0.000012**		0.0000060	0.0000001 7	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,4,7,8-HxCDF	0.000000046	U	0.0000060	0.0000000 46	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,6,7,8-HxCDF	**0.00000015**	**J q**	0.0000060	0.0000000 41	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,7,8,9-HxCDF	0.000000048	U	0.0000060	0.0000000 48	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
2,3,4,6,7,8-HxCDF	0.000000045	U	0.0000060	0.0000000 45	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,4,6,7,8-HpCDD	**0.00020**		0.0000060	0.0000031	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,4,6,7,8-HpCDF	**0.00000066**	**J**	0.0000060	0.0000000 44	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
1,2,3,4,7,8,9-HpCDF	0.000000053	U	0.0000060	0.0000000 53	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
OCDD	**0.016**	**E B G**	0.000054	0.000054	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
OCDF	**0.0000081**	**J B**	0.000012	0.0000000 76	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
Total TCDD	**0.00000037**	**J q**	0.0000012	0.0000000 46	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
Total TCDF	**0.00000029**	**J q**	0.0000012	0.0000000 29	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
Total PeCDD	**0.0000030**	**J q**	0.0000060	0.0000000 73	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
Total PeCDF	0.000000032	U	0.0000060	0.0000000 32	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1

Client Sample ID: SB-200 (2-4')

Lab Sample ID: 680-115653-9

Date Collected: 08/13/15 16:50
Date Received: 08/14/15 13:35

Matrix: Solid
Percent Solids: 82.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.000055	q	0.0000060	0.00000019	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
Total HxCDF	0.00000045	J q	0.0000060	0.0000000045	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
Total HpCDD	0.00051	B	0.0000060	0.0000031	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1
Total HpCDF	0.0000036	J	0.0000060	0.0000000049	mg/Kg	☼	08/17/15 16:58	08/27/15 10:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*85*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:46*	*1*
13C-2,3,7,8-TCDF	*89*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:46*	*1*
13C-1,2,3,7,8-PeCDD	*96*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:46*	*1*
13C-1,2,3,7,8-PeCDF	*98*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:46*	*1*
13C-1,2,3,6,7,8-HxCDD	*87*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:46*	*1*
13C-1,2,3,4,7,8-HxCDF	*82*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:46*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*100*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:46*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*94*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:46*	*1*
13C-OCDD	*108*		*40 - 135*	*08/17/15 16:58*	*08/27/15 10:46*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.025		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: EB-02 (081315)

Lab Sample ID: 680-115653-10

Date Collected: 08/13/15 17:00
Matrix: Water
Date Received: 08/14/15 13:35

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.15	U	0.99	0.15	ug/L		08/18/15 09:43	08/20/15 18:11	1
PCB-1260	0.13	U	0.99	0.13	ug/L		08/18/15 09:43	08/20/15 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*10 - 130*	*08/18/15 09:43*	*08/20/15 18:11*	*1*
Tetrachloro-m-xylene	*59*		*39 - 130*	*08/18/15 09:43*	*08/20/15 18:11*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**2.9**	**J q**	190	0.58	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-2	0.67	U	190	0.67	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-3	0.72	U	190	0.72	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-4	6.7	U	190	6.7	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-5	6.7	U	190	6.7	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-6	6.5	U	190	6.5	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-7	6.1	U	190	6.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-8	5.8	U	190	5.8	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-9	7.3	U	190	7.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-10	5.6	U	190	5.6	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-11	6.8	U	190	6.8	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-12/13	6.5	U	380	6.5	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-14	5.7	U	190	5.7	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-15	9.4	U	190	9.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-16	2.6	U	190	2.6	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-17	2.2	U	190	2.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-18/30	1.9	U	380	1.9	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-19	1.9	U	190	1.9	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-20/28	1.4	U	380	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-21/33	1.2	U	380	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-22	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-23	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-24	1.8	U	190	1.8	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-25	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-26/29	1.3	U	380	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-27	1.8	U	190	1.8	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-31	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-32	1.6	U	190	1.6	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-34	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-35	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-36	1.3	U	190	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-37	2.4	U	190	2.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-38	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-39	1.3	U	190	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-40/71	0.89	U	380	0.89	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-41	1.1	U	190	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-42	0.88	U	190	0.88	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-43	1.0	U	190	1.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-44/47/65	**3.3**	**J B**	570	0.88	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-45	1.1	U	190	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-46	1.1	U	190	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1

Client Sample ID: EB-02 (081315)

Date Collected: 08/13/15 17:00
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-10

Matrix: Water

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-48	0.91	U	190	0.91	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-49/69	**1.3**	**J q B**	380	0.78	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-50/53	0.95	U	380	0.95	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-51	0.90	U	190	0.90	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-52	**4.2**	**J q B**	190	1.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-54	0.86	U	190	0.86	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-55	1.1	U	190	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-56	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-57	1.3	U	190	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-58	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-59/62/75	0.69	U	570	0.69	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-60	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-61/70/74/76	1.2	U	760	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-63	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-64	0.47	U	190	0.47	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-66	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-67	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-68	1.1	U	190	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-72	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-73	0.75	U	190	0.75	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-77	2.0	U	19	2.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-78	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-79	1.3	U	190	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-80	1.1	U	190	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-81	1.9	U	19	1.9	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-82	1.5	U	190	1.5	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-83	1.8	U	190	1.8	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-84	1.5	U	190	1.5	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-85/116/117	1.1	U	570	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-86/87/97/108/119/125	1.1	U	1100	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-88/91	1.3	U	380	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-89	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-90/101/113	**3.2**	**J B**	570	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-92	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-93/100	1.3	U	380	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-107/124	1.0	U	380	1.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-94	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-95	**2.6**	**J B**	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-96	0.54	U	190	0.54	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-98/102	1.2	U	380	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-99	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-103	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-104	0.43	U	190	0.43	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-105	1.2	U	19	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-106	1.1	U	190	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-110/115	**2.8**	**J q B**	380	0.98	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-109	1.0	U	190	1.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-111	0.91	U	190	0.91	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-112	0.91	U	190	0.91	pg/L		08/18/15 08:41	08/20/15 07:17	1

Client Sample ID: EB-02 (081315)

Lab Sample ID: 680-115653-10

Date Collected: 08/13/15 17:00

Matrix: Water

Date Received: 08/14/15 13:35

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-114	1.2	U	19	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-118	**2.9**	**J q B**	19	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-120	0.98	U	190	0.98	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-121	0.97	U	190	0.97	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-122	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-123	1.1	U	19	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-126	1.7	U	19	1.7	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-127	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-128/166	1.3	U	380	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-129/138/163	**3.3**	**J B**	570	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-130	1.7	U	190	1.7	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-131	1.6	U	190	1.6	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-132	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-133	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-134/143	1.5	U	380	1.5	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-135/151	1.4	U	380	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-136	1.0	U	190	1.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-137	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-139/140	1.3	U	380	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-141	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-142	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-144	1.3	U	190	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-145	0.97	U	190	0.97	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-146	1.4	U	190	1.4	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-147/149	**2.9**	**J B**	380	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-148	1.3	U	190	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-150	0.91	U	190	0.91	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-152	0.98	U	190	0.98	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-153/168	**2.5**	**J B**	380	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-154	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-155	0.83	U	190	0.83	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-156/157	1.2	U	38	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-158	1.0	U	190	1.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-159	0.84	U	190	0.84	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-160	1.3	U	190	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-161	1.0	U	190	1.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-162	0.78	U	190	0.78	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-164	1.1	U	190	1.1	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-165	1.2	U	190	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-167	0.78	U	19	0.78	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-169	1.2	U	19	1.2	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-170	0.81	U	190	0.81	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-171/173	0.71	U	380	0.71	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-172	0.73	U	190	0.73	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-174	0.68	U	190	0.68	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-175	0.96	U	190	0.96	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-176	0.65	U	190	0.65	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-177	0.71	U	190	0.71	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-178	0.97	U	190	0.97	pg/L		08/18/15 08:41	08/20/15 07:17	1

Client Sample ID: EB-02 (081315)

Lab Sample ID: 680-115653-10

Date Collected: 08/13/15 17:00

Matrix: Water

Date Received: 08/14/15 13:35

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-179	0.71	U	190	0.71	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-180/193	1.5	U	380	1.5	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-181	0.63	U	190	0.63	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-182	0.87	U	190	0.87	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-183	0.55	U	190	0.55	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-184	0.71	U	190	0.71	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-185	0.63	U	190	0.63	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-186	0.69	U	190	0.69	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-187	0.91	U	190	0.91	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-188	0.66	U	190	0.66	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-189	1.9	U	19	1.9	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-190	0.58	U	190	0.58	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-191	0.55	U	190	0.55	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-192	0.57	U	190	0.57	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-194	2.0	U	190	2.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-195	1.8	U	190	1.8	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-196	0.97	U	190	0.97	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-197	0.61	U	190	0.61	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-198/199	0.98	U	380	0.98	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-200	0.62	U	190	0.62	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-201	0.60	U	190	0.60	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-202	0.61	U	190	0.61	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-203	0.92	U	190	0.92	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-204	0.62	U	190	0.62	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-205	1.8	U	190	1.8	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-206	2.0	U	190	2.0	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-207	1.3	U	190	1.3	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-208	1.5	U	190	1.5	pg/L		08/18/15 08:41	08/20/15 07:17	1
PCB-209	1.7	U	190	1.7	pg/L		08/18/15 08:41	08/20/15 07:17	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*59*		*5 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-3L	*63*		*5 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-4L	*69*		*5 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-15L	*69*		*5 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-19L	*75*		*5 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-37L	*64*		*5 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-54L	*70*		*5 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-77L	*74*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-81L	*78*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-104L	*80*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-105L	*90*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-114L	*89*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-118L	*92*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-123L	*87*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-126L	*89*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-155L	*81*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-156L/157L	*87*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-167L	*87*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-169L	*88*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*

Client Sample ID: EB-02 (081315)

Lab Sample ID: 680-115653-10

Date Collected: 08/13/15 17:00

Matrix: Water

Date Received: 08/14/15 13:35

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-188L	*86*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-189L	*86*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-202L	*95*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-205L	*92*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-206L	*99*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-208L	*94*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-209L	*99*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*73*		*5 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-111L	*87*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*
PCB-178L	*86*		*10 - 145*	*08/18/15 08:41*	*08/20/15 07:17*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.30	U	9.7	0.30	pg/L		08/18/15 08:37	08/24/15 15:39	1
2,3,7,8-TCDF	0.23	U	9.7	0.23	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,7,8-PeCDD	0.39	U	48	0.39	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,7,8-PeCDF	0.29	U	48	0.29	pg/L		08/18/15 08:37	08/24/15 15:39	1
2,3,4,7,8-PeCDF	0.31	U	48	0.31	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,4,7,8-HxCDD	0.28	U	48	0.28	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,6,7,8-HxCDD	0.24	U	48	0.24	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,7,8,9-HxCDD	0.23	U	48	0.23	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,4,7,8-HxCDF	0.25	U	48	0.25	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,6,7,8-HxCDF	0.22	U	48	0.22	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,7,8,9-HxCDF	0.26	U	48	0.26	pg/L		08/18/15 08:37	08/24/15 15:39	1
2,3,4,6,7,8-HxCDF	0.24	U	48	0.24	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,4,6,7,8-HpCDD	0.26	U	48	0.26	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,4,6,7,8-HpCDF	0.20	U	48	0.20	pg/L		08/18/15 08:37	08/24/15 15:39	1
1,2,3,4,7,8,9-HpCDF	0.24	U	48	0.24	pg/L		08/18/15 08:37	08/24/15 15:39	1
OCDD	**0.99**	**J B**	97	0.39	pg/L		08/18/15 08:37	08/24/15 15:39	1
OCDF	0.56	U	97	0.56	pg/L		08/18/15 08:37	08/24/15 15:39	1
Total TCDD	0.30	U	9.7	0.30	pg/L		08/18/15 08:37	08/24/15 15:39	1
Total TCDF	0.23	U	9.7	0.23	pg/L		08/18/15 08:37	08/24/15 15:39	1
Total PeCDD	0.39	U	48	0.39	pg/L		08/18/15 08:37	08/24/15 15:39	1
Total PeCDF	0.31	U	48	0.31	pg/L		08/18/15 08:37	08/24/15 15:39	1
Total HxCDD	0.28	U	48	0.28	pg/L		08/18/15 08:37	08/24/15 15:39	1
Total HxCDF	0.26	U	48	0.26	pg/L		08/18/15 08:37	08/24/15 15:39	1
Total HpCDD	**0.64**	**J q B**	48	0.26	pg/L		08/18/15 08:37	08/24/15 15:39	1
Total HpCDF	0.24	U	48	0.24	pg/L		08/18/15 08:37	08/24/15 15:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*89*		*40 - 135*	*08/18/15 08:37*	*08/24/15 15:39*	*1*
13C-2,3,7,8-TCDF	*89*		*40 - 135*	*08/18/15 08:37*	*08/24/15 15:39*	*1*
13C-1,2,3,7,8-PeCDD	*95*		*40 - 135*	*08/18/15 08:37*	*08/24/15 15:39*	*1*
13C-1,2,3,7,8-PeCDF	*93*		*40 - 135*	*08/18/15 08:37*	*08/24/15 15:39*	*1*
13C-1,2,3,6,7,8-HxCDD	*103*		*40 - 135*	*08/18/15 08:37*	*08/24/15 15:39*	*1*
13C-1,2,3,4,7,8-HxCDF	*87*		*40 - 135*	*08/18/15 08:37*	*08/24/15 15:39*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*91*		*40 - 135*	*08/18/15 08:37*	*08/24/15 15:39*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*90*		*40 - 135*	*08/18/15 08:37*	*08/24/15 15:39*	*1*
13C-OCDD	*89*		*40 - 135*	*08/18/15 08:37*	*08/24/15 15:39*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	32		20	1.0	pg/L			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-161 (0-2')

Lab Sample ID: 680-115653-11
Date Collected: 08/13/15 18:20
Matrix: Solid
Date Received: 08/14/15 13:35
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	0.042	U	0.19	0.042	mg/Kg	☼	08/20/15 12:20	08/28/15 23:53	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*24 - 130*	*08/20/15 12:20*	*08/28/15 23:53*	*5*
2-Fluorobiphenyl (Surr)	*75*		*11 - 130*	*08/20/15 12:20*	*08/28/15 23:53*	*5*
2-Fluorophenol (Surr)	*66*		*10 - 130*	*08/20/15 12:20*	*08/28/15 23:53*	*5*
Terphenyl-d14 (Surr)	*60*		*27 - 130*	*08/20/15 12:20*	*08/28/15 23:53*	*5*
Phenol-d5 (Surr)	*67*		*10 - 130*	*08/20/15 12:20*	*08/28/15 23:53*	*5*
Nitrobenzene-d5 (Surr)	*66*		*18 - 130*	*08/20/15 12:20*	*08/28/15 23:53*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-163 (0-2')

Lab Sample ID: 680-115653-12
Date Collected: 08/13/15 19:00
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 85.8

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	0.042	U	0.19	0.042	mg/Kg	☼	08/20/15 12:20	08/29/15 00:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*24 - 130*	*08/20/15 12:20*	*08/29/15 00:22*	*5*
2-Fluorobiphenyl (Surr)	*87*		*11 - 130*	*08/20/15 12:20*	*08/29/15 00:22*	*5*
2-Fluorophenol (Surr)	*77*		*10 - 130*	*08/20/15 12:20*	*08/29/15 00:22*	*5*
Terphenyl-d14 (Surr)	*64*		*27 - 130*	*08/20/15 12:20*	*08/29/15 00:22*	*5*
Phenol-d5 (Surr)	*82*		*10 - 130*	*08/20/15 12:20*	*08/29/15 00:22*	*5*
Nitrobenzene-d5 (Surr)	*75*		*18 - 130*	*08/20/15 12:20*	*08/29/15 00:22*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-162 (0-2')

Date Collected: 08/13/15 19:45
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-13

Matrix: Solid
Percent Solids: 79.7

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	0.10	J	0.21	0.045	mg/Kg	☼	08/20/15 12:20	08/29/15 00:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 130*	*08/20/15 12:20*	*08/29/15 00:51*	*5*
2-Fluorobiphenyl (Surr)	*84*		*11 - 130*	*08/20/15 12:20*	*08/29/15 00:51*	*5*
2-Fluorophenol (Surr)	*72*		*10 - 130*	*08/20/15 12:20*	*08/29/15 00:51*	*5*
Terphenyl-d14 (Surr)	*65*		*27 - 130*	*08/20/15 12:20*	*08/29/15 00:51*	*5*
Phenol-d5 (Surr)	*77*		*10 - 130*	*08/20/15 12:20*	*08/29/15 00:51*	*5*
Nitrobenzene-d5 (Surr)	*74*		*18 - 130*	*08/20/15 12:20*	*08/29/15 00:51*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: DUP-04 (0-2')

Lab Sample ID: 680-115653-14

Date Collected: 08/13/15 00:00
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 84.0

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	0.085	J	0.19	0.043	mg/Kg	☼	08/20/15 12:20	08/29/15 01:20	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*24 - 130*	*08/20/15 12:20*	*08/29/15 01:20*	*5*
2-Fluorobiphenyl (Surr)	*80*		*11 - 130*	*08/20/15 12:20*	*08/29/15 01:20*	*5*
2-Fluorophenol (Surr)	*61*		*10 - 130*	*08/20/15 12:20*	*08/29/15 01:20*	*5*
Terphenyl-d14 (Surr)	*59*		*27 - 130*	*08/20/15 12:20*	*08/29/15 01:20*	*5*
Phenol-d5 (Surr)	*65*		*10 - 130*	*08/20/15 12:20*	*08/29/15 01:20*	*5*
Nitrobenzene-d5 (Surr)	*69*		*18 - 130*	*08/20/15 12:20*	*08/29/15 01:20*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-203 (0-2')

Date Collected: 08/14/15 10:15
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-15

Matrix: Solid
Percent Solids: 86.5

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**0.31**		0.038	0.011	mg/Kg	☼	08/20/15 12:20	08/22/15 00:20	1
PCB-1260	**0.061**		0.038	0.011	mg/Kg	☼	08/20/15 12:20	08/22/15 00:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*54 - 133*	*08/20/15 12:20*	*08/22/15 00:20*	*1*
Tetrachloro-m-xylene	*81*		*46 - 130*	*08/20/15 12:20*	*08/22/15 00:20*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0000053**	**J q**	0.00046	0.0000025	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-2	0.0000028	U	0.00046	0.0000028	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-3	0.0000028	U	0.00046	0.0000028	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-4	**0.000054**	**J**	0.00046	0.000018	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-5	0.000059	U	0.00046	0.000059	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-6	0.000057	U	0.00046	0.000057	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-7	0.000053	U	0.00046	0.000053	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-8	0.000051	U	0.00046	0.000051	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-9	0.000064	U	0.00046	0.000064	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-10	0.000015	U	0.00046	0.000015	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-11	0.000059	U	0.00046	0.000059	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-12/13	0.000057	U	0.00091	0.000057	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-14	0.000050	U	0.00046	0.000050	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-15	0.000080	U	0.00046	0.000080	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-16	**0.00016**	**J q**	0.00046	0.0000099	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-17	**0.00015**	**J B**	0.00046	0.0000084	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-18/30	**0.00035**	**J**	0.00091	0.0000073	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-19	**0.000039**	**J q**	0.00046	0.0000078	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-20/28	**0.00052**	**J B**	0.00091	0.000025	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-21/33	**0.00028**	**J**	0.00091	0.000022	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-22	**0.00018**	**J**	0.00046	0.000027	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-23	0.000023	U	0.00046	0.000023	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-24	0.0000067	U	0.00046	0.0000067	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-25	0.000023	U	0.00046	0.000023	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-26/29	**0.000085**	**J q**	0.00091	0.000024	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-27	**0.000035**	**J**	0.00046	0.0000067	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-31	**0.00051**	**B**	0.00046	0.000023	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-32	**0.00013**	**J B**	0.00046	0.0000060	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-34	0.000026	U	0.00046	0.000026	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-35	0.000026	U	0.00046	0.000026	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-36	0.000025	U	0.00046	0.000025	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-37	**0.00021**	**J**	0.00046	0.000037	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-38	0.000026	U	0.00046	0.000026	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-39	**0.000096**	**J**	0.00046	0.000024	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-40/71	**0.00072**	**J B**	0.00091	0.0000096	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-41	0.000012	U	0.00046	0.000012	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-42	**0.00035**	**J B**	0.00046	0.0000095	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-43	0.000011	U	0.00046	0.000011	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-44/47/65	**0.0036**	**B**	0.0014	0.0000095	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-45	**0.00012**	**J q**	0.00046	0.000012	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-46	0.000012	U	0.00046	0.000012	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20

Client Sample ID: SB-203 (0-2')

Date Collected: 08/14/15 10:15
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-15

Matrix: Solid
Percent Solids: 86.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-48	0.00024	J	0.00046	0.0000098	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-49/69	0.0017	B	0.00091	0.0000084	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-50/53	0.00024	J B	0.00091	0.000010	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-51	0.000035	J q B	0.00046	0.0000097	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-52	0.0098	B	0.00046	0.000011	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-54	0.0000031	U	0.00046	0.0000031	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-55	0.000029	U	0.00046	0.000029	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-56	0.00022	J	0.00046	0.000035	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-57	0.000033	U	0.00046	0.000033	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-58	0.00021	J	0.00046	0.000032	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-59/62/75	0.00012	J B	0.0014	0.0000075	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-60	0.00076		0.00046	0.000031	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-61/70/74/76	0.0069	B	0.0018	0.000032	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-63	0.000075	J B	0.00046	0.000031	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-64	0.00076		0.00046	0.0000067	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-66	0.0024	B	0.00046	0.000037	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-67	0.000030	U	0.00046	0.000030	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-68	0.000029	U	0.00046	0.000029	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-72	0.000031	U	0.00046	0.000031	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-73	0.0000081	U	0.00046	0.0000081	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-77	0.00051		0.000046	0.000046	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-78	0.000068	J	0.00046	0.000035	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-79	0.00027	J	0.00046	0.000034	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-80	0.000030	U	0.00046	0.000030	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-81	0.000083		0.000046	0.000044	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-82	0.0019		0.00046	0.00025	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-83	0.00065		0.00046	0.00030	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-84	0.0043	B	0.00046	0.00025	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-85/116/117	0.0026	B	0.0014	0.00019	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-86/87/97/108/119/125	0.012	B	0.0027	0.00019	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-88/91	0.0016	B	0.00091	0.00022	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-89	0.00024	U	0.00046	0.00024	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-90/101/113	0.016	B	0.0014	0.00019	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-92	0.00023	U	0.00046	0.00023	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-93/100	0.00023	U	0.00091	0.00023	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-107/124	0.00061	J	0.00091	0.00018	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-94	0.00024	U	0.00046	0.00024	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-95	0.0078	B	0.00046	0.00023	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-96	0.000073	J	0.00046	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-98/102	0.00031	J	0.00091	0.00020	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-99	0.0069	B	0.00046	0.00021	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-103	0.00021	U	0.00046	0.00021	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-104	0.0000035	U	0.00046	0.0000035	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-105	0.0076	G B	0.00020	0.00020	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-106	0.00019	U	0.00046	0.00019	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-110/115	0.021	B	0.00091	0.00017	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-109	0.0010		0.00046	0.00018	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-111	0.00016	U	0.00046	0.00016	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-112	0.00015	U	0.00046	0.00015	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20

Client Sample ID: SB-203 (0-2')

Date Collected: 08/14/15 10:15
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-15

Matrix: Solid
Percent Solids: 86.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-114	0.00041	G	0.00020	0.00020	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-118	0.018	G B	0.00018	0.00018	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-120	0.00017	U	0.00046	0.00017	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-121	0.00016	U	0.00046	0.00016	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-122	0.00020	U	0.00046	0.00020	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-123	0.00026	G	0.00018	0.00018	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-126	0.00029	U G	0.00029	0.00029	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-127	0.00020	U	0.00046	0.00020	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-128/166	0.0041		0.00091	0.000071	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-129/138/163	0.023	B	0.0014	0.000071	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-130	0.0015		0.00046	0.000088	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-131	0.00036	J	0.00046	0.000083	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-132	0.0069	B	0.00046	0.000077	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-133	0.00020	J	0.00046	0.000076	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-134/143	0.0012		0.00091	0.000078	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-135/151	0.0044	B	0.00091	0.000073	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-136	0.0018	B	0.00046	0.000055	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-137	0.0013		0.00046	0.000076	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-139/140	0.00036	J	0.00091	0.000069	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-141	0.0027		0.00046	0.000073	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-142	0.000074	U	0.00046	0.000074	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-144	0.00040	J	0.00046	0.000070	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-145	0.000052	U	0.00046	0.000052	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-146	0.0024		0.00046	0.000074	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-147/149	0.012	B	0.00091	0.000070	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-148	0.000069	U	0.00046	0.000069	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-150	0.000048	U	0.00046	0.000048	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-152	0.000052	U	0.00046	0.000052	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-153/168	0.012	B	0.00091	0.000060	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-154	0.000062	U	0.00046	0.000062	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-155	0.000039	U	0.00046	0.000039	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-156/157	0.0032	B	0.000091	0.000034	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-158	0.0027		0.00046	0.000055	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-159	0.000024	U	0.00046	0.000024	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-160	0.000067	U	0.00046	0.000067	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-161	0.000055	U	0.00046	0.000055	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-162	0.00012	J	0.00046	0.000022	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-164	0.0015		0.00046	0.000057	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-165	0.000064	U	0.00046	0.000064	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-167	0.00096		0.000046	0.000022	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-169	0.000042	U	0.000046	0.000042	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-170	0.0030		0.00046	0.0000098	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-171/173	0.0010		0.00091	0.0000085	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-172	0.00049		0.00046	0.0000088	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-174	0.0027		0.00046	0.0000082	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-175	0.00012	J	0.00046	0.0000052	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-176	0.00029	J	0.00046	0.0000035	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-177	0.0015		0.00046	0.0000085	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-178	0.00042	J	0.00046	0.0000052	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20

Client Sample ID: SB-203 (0-2')

Date Collected: 08/14/15 10:15
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-15

Matrix: Solid
Percent Solids: 86.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-179	**0.00087**		0.00046	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-180/193	**0.0055**	**B**	0.00091	0.0000074	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-181	0.0000076	U	0.00046	0.0000076	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-182	0.0000047	U	0.00046	0.0000047	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-183	**0.0014**		0.00046	0.0000067	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-184	0.0000038	U	0.00046	0.0000038	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-185	**0.00026**	**J**	0.00046	0.0000076	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-186	0.0000037	U	0.00046	0.0000037	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-187	**0.0025**	**B**	0.00046	0.0000049	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-188	0.0000033	U	0.00046	0.0000033	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-189	**0.00012**		0.000046	0.0000081	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-190	**0.00055**		0.00046	0.0000070	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-191	**0.00015**	**J**	0.00046	0.0000067	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-192	0.0000069	U	0.00046	0.0000069	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-194	**0.00058**		0.00046	0.0000062	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-195	**0.00026**	**J**	0.00046	0.0000057	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-196	**0.00043**	**J**	0.00046	0.0000048	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-197	**0.000027**	**J**	0.00046	0.0000030	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-198/199	**0.00086**	**J**	0.00091	0.0000049	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-200	**0.00011**	**J**	0.00046	0.0000031	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-201	**0.00011**	**J**	0.00046	0.0000030	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-202	**0.00013**	**J**	0.00046	0.0000026	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-203	**0.00053**		0.00046	0.0000046	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-204	0.0000031	U	0.00046	0.0000031	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-205	**0.000050**	**J**	0.00046	0.0000080	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-206	**0.00029**	**J**	0.00046	0.0000063	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-207	**0.000031**	**J**	0.00046	0.0000035	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-208	**0.000066**	**J**	0.00046	0.0000039	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20
PCB-209	**0.000043**	**J**	0.00046	0.0000059	mg/Kg	☼	08/17/15 16:34	08/25/15 22:35	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*57*		*5 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-3L	*67*		*5 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-4L	*71*		*5 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-15L	*82*		*5 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-19L	*91*		*5 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-37L	*75*		*5 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-54L	*82*		*5 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-77L	*93*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-81L	*78*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-104L	*90*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-105L	*109*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-114L	*104*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-118L	*104*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-123L	*105*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-126L	*103*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-155L	*71*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-156L/157L	*86*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-167L	*87*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*
PCB-169L	*78*		*10 - 145*	*08/17/15 16:34*	*08/25/15 22:35*	*20*

Client Sample ID: SB-203 (0-2')

Date Collected: 08/14/15 10:15
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-15

Matrix: Solid
Percent Solids: 86.5

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-188L	113		10 - 145	08/17/15 16:34	08/25/15 22:35	20
PCB-189L	90		10 - 145	08/17/15 16:34	08/25/15 22:35	20
PCB-202L	128		10 - 145	08/17/15 16:34	08/25/15 22:35	20
PCB-205L	78		10 - 145	08/17/15 16:34	08/25/15 22:35	20
PCB-206L	81		10 - 145	08/17/15 16:34	08/25/15 22:35	20
PCB-208L	99		10 - 145	08/17/15 16:34	08/25/15 22:35	20
PCB-209L	74		10 - 145	08/17/15 16:34	08/25/15 22:35	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	85		5 - 145	08/17/15 16:34	08/25/15 22:35	20
PCB-111L	112		10 - 145	08/17/15 16:34	08/25/15 22:35	20
PCB-178L	90		10 - 145	08/17/15 16:34	08/25/15 22:35	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	**0.00000016**	**J q**	0.0000011	0.000000044	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
2,3,7,8-TCDF	**0.0000014**		0.0000011	0.000000061	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,7,8-PeCDD	0.00000021	U	0.0000057	0.00000021	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,7,8-PeCDF	**0.00000074**	**J**	0.0000057	0.00000017	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
2,3,4,7,8-PeCDF	**0.00000088**	**J**	0.0000057	0.00000018	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,4,7,8-HxCDD	**0.0000017**	**J**	0.0000057	0.00000052	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,6,7,8-HxCDD	**0.000026**		0.0000057	0.00000045	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,7,8,9-HxCDD	**0.000014**		0.0000057	0.00000043	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,4,7,8-HxCDF	**0.0000037**	**J**	0.0000057	0.00000020	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,6,7,8-HxCDF	**0.0000021**	**J**	0.0000057	0.00000018	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,7,8,9-HxCDF	0.00000021	U	0.0000057	0.00000021	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
2,3,4,6,7,8-HxCDF	**0.0000017**	**J**	0.0000057	0.00000020	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,4,6,7,8-HpCDD	**0.00021**		0.0000057	0.0000032	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,4,6,7,8-HpCDF	**0.000051**		0.0000057	0.00000072	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
1,2,3,4,7,8,9-HpCDF	0.00000087	U	0.0000057	0.00000087	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
OCDD	**0.0039**	**B G**	0.000014	0.000014	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
OCDF	**0.00013**	**B**	0.000011	0.00000046	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
Total TCDD	**0.0000023**	**q**	0.0000011	0.000000044	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
Total TCDF	**0.000010**	**q**	0.0000011	0.000000061	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
Total PeCDD	**0.0000071**	**q**	0.0000057	0.00000021	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
Total PeCDF	**0.000019**	**q**	0.0000057	0.00000017	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-203 (0-2')

Date Collected: 08/14/15 10:15
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-15

Matrix: Solid
Percent Solids: 86.5

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.00019		0.0000057	0.00000047	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
Total HxCDF	0.000067		0.0000057	0.00000020	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
Total HpCDD	0.00067	B	0.0000057	0.0000032	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1
Total HpCDF	0.00016		0.0000057	0.00000080	mg/Kg	☼	08/17/15 16:58	08/27/15 11:28	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*90*		*40 - 135*	*08/17/15 16:58*	*08/27/15 11:28*	*1*
13C-2,3,7,8-TCDF	*95*		*40 - 135*	*08/17/15 16:58*	*08/27/15 11:28*	*1*
13C-1,2,3,7,8-PeCDD	*94*		*40 - 135*	*08/17/15 16:58*	*08/27/15 11:28*	*1*
13C-1,2,3,7,8-PeCDF	*96*		*40 - 135*	*08/17/15 16:58*	*08/27/15 11:28*	*1*
13C-1,2,3,6,7,8-HxCDD	*88*		*40 - 135*	*08/17/15 16:58*	*08/27/15 11:28*	*1*
13C-1,2,3,4,7,8-HxCDF	*83*		*40 - 135*	*08/17/15 16:58*	*08/27/15 11:28*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*91*		*40 - 135*	*08/17/15 16:58*	*08/27/15 11:28*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*91*		*40 - 135*	*08/17/15 16:58*	*08/27/15 11:28*	*1*
13C-OCDD	*88*		*40 - 135*	*08/17/15 16:58*	*08/27/15 11:28*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.24		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-202 (0-2')

Date Collected: 08/14/15 11:05
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-16

Matrix: Solid
Percent Solids: 82.8

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**4.9**		0.39	0.12	mg/Kg	☼	08/20/15 12:20	08/22/15 00:35	10
PCB-1260	**0.53**		0.39	0.11	mg/Kg	☼	08/20/15 12:20	08/22/15 00:35	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*0*	*D*	*54 - 133*	*08/20/15 12:20*	*08/22/15 00:35*	*10*
Tetrachloro-m-xylene	*0*	*D*	*46 - 130*	*08/20/15 12:20*	*08/22/15 00:35*	*10*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.00031**	**J**	0.00048	0.0000048	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-2	0.0000055	U	0.00048	0.0000055	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-3	**0.00026**	**J**	0.00048	0.0000057	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-4	**0.0021**		0.00048	0.000031	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-5	0.00012	U	0.00048	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-6	**0.00097**		0.00048	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-7	0.00011	U	0.00048	0.00011	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-8	**0.0046**		0.00048	0.00011	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-9	**0.00031**	**J q**	0.00048	0.00013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-10	0.000023	U	0.00048	0.000023	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-11	0.00012	U	0.00048	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-12/13	0.00012	U	0.00096	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-14	0.00010	U	0.00048	0.00010	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-15	**0.0017**		0.00048	0.00014	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-16	**0.0043**		0.00048	0.000030	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-17	**0.0038**	**B**	0.00048	0.000025	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-18/30	**0.0091**		0.00096	0.000022	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-19	**0.00082**		0.00048	0.000025	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-20/28	**0.010**	**B**	0.00096	0.00018	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-21/33	**0.0062**		0.00096	0.00016	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-22	**0.0038**		0.00048	0.00019	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-23	0.00016	U	0.00048	0.00016	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-24	0.000020	U	0.00048	0.000020	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-25	**0.00052**	**q**	0.00048	0.00016	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-26/29	**0.0017**		0.00096	0.00017	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-27	**0.00068**		0.00048	0.000020	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-31	**0.011**	**B**	0.00048	0.00016	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-32	**0.0027**	**B**	0.00048	0.000018	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-34	0.00018	U	0.00048	0.00018	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-35	0.00019	U	0.00048	0.00019	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-36	**0.00094**		0.00048	0.00018	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-37	0.00025	U	0.00048	0.00025	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-38	0.00019	U	0.00048	0.00019	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-39	0.00017	U	0.00048	0.00017	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-40/71	0.00040	U	0.00096	0.00040	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-41	0.00049	U G	0.00049	0.00049	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-42	**0.0054**	**B**	0.00048	0.00040	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-43	0.00045	U	0.00048	0.00045	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-44/47/65	**0.069**	**B**	0.0014	0.00040	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-45	**0.0029**	**G**	0.00051	0.00051	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-46	0.00050	U G	0.00050	0.00050	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20

Client Sample ID: SB-202 (0-2')

Date Collected: 08/14/15 11:05
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-16

Matrix: Solid
Percent Solids: 82.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-48	**0.0037**		0.00048	0.00041	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-49/69	**0.034**	**B**	0.00096	0.00035	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-50/53	**0.0041**	**B**	0.00096	0.00043	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-51	0.00040	U	0.00048	0.00040	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-52	**0.20**	**B E**	0.00048	0.00046	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-54	**0.000029**	**J B**	0.00048	0.0000037	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-55	0.00073	U G	0.00073	0.00073	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-56	0.00090	U G	0.00090	0.00090	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-57	0.00085	U G	0.00085	0.00085	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-58	0.00083	U G	0.00083	0.00083	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-59/62/75	**0.0013**	**J B**	0.0014	0.00031	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-60	0.00080	U G	0.00080	0.00080	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-61/70/74/76	0.00081	U	0.0019	0.00081	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-63	**0.031**	**G B**	0.00079	0.00079	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-64	0.00028	U	0.00048	0.00028	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-66	0.00094	U G	0.00094	0.00094	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-67	**0.14**	**G E**	0.00077	0.00077	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-68	0.00075	U G	0.00075	0.00075	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-72	0.00081	U G	0.00081	0.00081	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-73	0.00034	U	0.00048	0.00034	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-77	**0.0026**	**G**	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-78	0.00091	U G	0.00091	0.00091	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-79	**0.0021**	**G**	0.00086	0.00086	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-80	**0.0060**	**G**	0.00076	0.00076	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-81	**0.0028**	**G**	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-82	0.0082	U G	0.0082	0.0082	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-83	0.0097	U G	0.0097	0.0097	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-84	**0.098**	**B G E**	0.0082	0.0082	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-85/116/117	**0.52**	**B G E**	0.0061	0.0061	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-86/87/97/108/119/125	**0.18**	**G B**	0.0063	0.0063	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-88/91	**0.036**	**G B**	0.0071	0.0071	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-89	0.0079	U G	0.0079	0.0079	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-90/101/113	**0.35**	**B G E**	0.0063	0.0063	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-92	0.0075	U G	0.0075	0.0075	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-93/100	**0.15**	**B G E**	0.0073	0.0073	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-107/124	**0.030**	**G**	0.0057	0.0057	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-94	0.0077	U G	0.0077	0.0077	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-95	0.0075	U G	0.0075	0.0075	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-96	**0.0019**		0.00048	0.0000093	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-98/102	0.0066	U G	0.0066	0.0066	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-99	0.0068	U G	0.0068	0.0068	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-103	0.0068	U G	0.0068	0.0068	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-104	0.0000097	U	0.00048	0.0000097	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-105	**0.17**	**E B G**	0.0060	0.0060	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-106	**0.42**	**G E**	0.0060	0.0060	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-110/115	**0.026**	**G B**	0.0054	0.0054	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-109	**0.40**	**G E**	0.0057	0.0057	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-111	0.0050	U G	0.0050	0.0050	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-112	0.0050	U G	0.0050	0.0050	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20

Client Sample ID: SB-202 (0-2')

Date Collected: 08/14/15 11:05
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-16

Matrix: Solid
Percent Solids: 82.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-114	0.0066	U G	0.0066	0.0066	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-118	**0.35**	**E B G**	0.0050	0.0050	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-120	0.0054	U G	0.0054	0.0054	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-121	0.0053	U G	0.0053	0.0053	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-122	0.0064	U G	0.0064	0.0064	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-123	0.0061	U G	0.0061	0.0061	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-126	0.0092	U G	0.0092	0.0092	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-127	0.0066	U G	0.0066	0.0066	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-128/166	**0.094**	**G**	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-129/138/163	**0.50**	**B E**	0.0014	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-130	**0.034**	**G**	0.0017	0.0017	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-131	**0.16**	**G E**	0.0016	0.0016	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-132	**0.0044**	**G B**	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-133	0.0014	U G	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-134/143	**0.0092**	**G**	0.0015	0.0015	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-135/151	0.0014	U G	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-136	0.0010	U G	0.0010	0.0010	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-137	**0.033**	**G**	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-139/140	0.0013	U G	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-141	**0.058**	**G E**	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-142	**0.15**	**G E**	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-144	**0.25**	**G E**	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-145	0.00097	U G	0.00097	0.00097	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-146	**0.051**	**G E**	0.0014	0.0014	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-147/149	0.0013	U G	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-148	0.0013	U G	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-150	0.00091	U G	0.00091	0.00091	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-152	0.00098	U G	0.00098	0.00098	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-153/168	**0.26**	**B G E**	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-154	0.0012	U G	0.0012	0.0012	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-155	0.00082	U G	0.00082	0.00082	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-156/157	**0.072**	**G B**	0.00072	0.00072	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-158	**0.060**	**G E**	0.0010	0.0010	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-159	**0.0010**	**G q**	0.00053	0.00053	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-160	**0.47**	**G E**	0.0013	0.0013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-161	**0.038**	**G**	0.0010	0.0010	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-162	**0.0022**	**G**	0.00049	0.00049	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-164	**0.031**	**G**	0.0011	0.0011	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-165	0.0012	U G	0.0012	0.0012	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-167	**0.020**	**G**	0.00048	0.00048	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-169	0.00085	U G	0.00085	0.00085	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-170	**0.053**	**E**	0.00048	0.00012	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-171/173	**0.017**		0.00096	0.00010	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-172	**0.0076**		0.00048	0.00010	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-174	**0.041**		0.00048	0.000096	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-175	**0.0020**		0.00048	0.000035	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-176	**0.0048**		0.00048	0.000024	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-177	**0.023**		0.00048	0.00010	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-178	**0.0062**		0.00048	0.000035	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20

Client Sample ID: SB-202 (0-2')

Date Collected: 08/14/15 11:05
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-16

Matrix: Solid
Percent Solids: 82.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-179	0.013		0.00048	0.000026	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-180/193	0.086	B	0.00096	0.000086	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-181	0.0010	q	0.00048	0.000089	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-182	0.000032	U	0.00048	0.000032	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-183	0.026		0.00048	0.000079	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-184	0.000026	U	0.00048	0.000026	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-185	0.038		0.00048	0.000089	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-186	0.000025	U	0.00048	0.000025	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-187	0.037	B	0.00048	0.000033	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-188	0.000023	U	0.00048	0.000023	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-189	0.0024		0.000048	0.000031	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-190	0.0096		0.00048	0.000082	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-191	0.0025		0.00048	0.000078	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-192	0.000081	U	0.00048	0.000081	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-194	0.0095		0.00048	0.000018	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-195	0.0039		0.00048	0.000017	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-196	0.0063		0.00048	0.000024	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-197	0.00040	J	0.00048	0.000015	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-198/199	0.013		0.00096	0.000024	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-200	0.0016		0.00048	0.000016	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-201	0.0016		0.00048	0.000015	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-202	0.0018		0.00048	0.000013	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-203	0.0085		0.00048	0.000023	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-204	0.000016	U	0.00048	0.000016	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-205	0.00076		0.00048	0.000023	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-206	0.0047		0.00048	0.000012	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-207	0.00055		0.00048	0.0000072	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-208	0.0012		0.00048	0.0000083	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20
PCB-209	0.00067		0.00048	0.0000083	mg/Kg	☼	08/17/15 16:34	08/26/15 03:36	20

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	55	q	5 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-3L	67	q	5 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-4L	69		5 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-15L	85		5 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-19L	95		5 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-37L	41		5 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-54L	67		5 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-77L	74		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-81L	69		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-104L	78		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-105L	92		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-114L	80		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-118L	102		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-123L	83		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-126L	93		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-155L	45		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-156L/157L	70		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-167L	69		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-169L	64		10 - 145	08/17/15 16:34	08/26/15 03:36	20

Client Sample ID: SB-202 (0-2')

Date Collected: 08/14/15 11:05
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-16

Matrix: Solid
Percent Solids: 82.8

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-188L	110		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-189L	87		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-202L	119		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-205L	76		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-206L	90		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-208L	100		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-209L	80		10 - 145	08/17/15 16:34	08/26/15 03:36	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	63		5 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-111L	84		10 - 145	08/17/15 16:34	08/26/15 03:36	20
PCB-178L	67		10 - 145	08/17/15 16:34	08/26/15 03:36	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000018	U	0.0000060	0.00000018	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,7,8-PeCDD	0.00000091	U	0.000030	0.00000091	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,7,8-PeCDF	**0.0000078**	**J**	0.000030	0.0000013	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
2,3,4,7,8-PeCDF	**0.000015**	**J**	0.000030	0.0000014	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,4,7,8-HxCDD	**0.0000016**	**J q**	0.000030	0.00000068	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,6,7,8-HxCDD	**0.000019**	**J**	0.000030	0.00000059	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,7,8,9-HxCDD	**0.000012**	**J**	0.000030	0.00000056	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,4,7,8-HxCDF	**0.000035**		0.000030	0.00000096	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,6,7,8-HxCDF	**0.000013**	**J**	0.000030	0.00000084	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,7,8,9-HxCDF	0.0000010	U	0.000030	0.0000010	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
2,3,4,6,7,8-HxCDF	**0.0000045**	**J**	0.000030	0.00000093	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,4,6,7,8-HpCDD	**0.00031**	**B**	0.000030	0.000012	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,4,6,7,8-HpCDF	**0.000043**	**B**	0.000030	0.0000015	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
1,2,3,4,7,8,9-HpCDF	**0.0000075**	**J**	0.000030	0.0000018	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
OCDD	**0.011**	**B**	0.000060	0.000042	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
OCDF	**0.00017**	**B**	0.000060	0.00000085	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
Total TCDD	**0.0000022**	**J q**	0.0000060	0.00000018	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
Total TCDF	**0.000091**	**q**	0.0000060	0.00000050	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
Total PeCDD	**0.0000021**	**J**	0.000030	0.00000091	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
Total PeCDF	**0.00010**		0.000030	0.0000013	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
Total HxCDD	**0.00021**	**q**	0.000030	0.00000061	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
Total HxCDF	**0.00011**	**q**	0.000030	0.00000094	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
Total HpCDD	**0.0028**	**B**	0.000030	0.000012	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5
Total HpCDF	**0.00016**	**B**	0.000030	0.0000017	mg/Kg	☼	08/17/15 16:58	09/01/15 01:13	5

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-202 (0-2')

Lab Sample ID: 680-115653-16

Date Collected: 08/14/15 11:05
Date Received: 08/14/15 13:35

Matrix: Solid
Percent Solids: 82.8

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*108*		*40 - 135*	*08/17/15 16:58*	*09/01/15 01:13*	*5*
13C-2,3,7,8-TCDF	*106*		*40 - 135*	*08/17/15 16:58*	*09/01/15 01:13*	*5*
13C-1,2,3,7,8-PeCDD	*99*		*40 - 135*	*08/17/15 16:58*	*09/01/15 01:13*	*5*
13C-1,2,3,7,8-PeCDF	*103*		*40 - 135*	*08/17/15 16:58*	*09/01/15 01:13*	*5*
13C-1,2,3,6,7,8-HxCDD	*86*		*40 - 135*	*08/17/15 16:58*	*09/01/15 01:13*	*5*
13C-1,2,3,4,7,8-HxCDF	*90*		*40 - 135*	*08/17/15 16:58*	*09/01/15 01:13*	*5*
13C-1,2,3,4,6,7,8-HpCDD	*91*		*40 - 135*	*08/17/15 16:58*	*09/01/15 01:13*	*5*
13C-1,2,3,4,6,7,8-HpCDF	*79*		*40 - 135*	*08/17/15 16:58*	*09/01/15 01:13*	*5*
13C-OCDD	*76*		*40 - 135*	*08/17/15 16:58*	*09/01/15 01:13*	*5*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	**0.000018**		0.0000060	0.0000043	mg/Kg	☼	08/17/15 16:58	09/04/15 19:48	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*86*		*40 - 135*	*08/17/15 16:58*	*09/04/15 19:48*	*5*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**6.0**		0.0000020	0.00000020	mg/Kg			09/11/15 17:37	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-184 (0-2')

Lab Sample ID: 680-115653-17

Date Collected: 08/14/15 12:10
Matrix: Solid
Date Received: 08/14/15 13:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.40				SU			08/17/15 14:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-185 (0-2')

Lab Sample ID: 680-115653-18

Date Collected: 08/14/15 12:40
Matrix: Solid
Date Received: 08/14/15 13:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.12				SU			08/17/15 14:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-183 (0-2')

Lab Sample ID: 680-115653-19

Date Collected: 08/14/15 13:00
Matrix: Solid
Date Received: 08/14/15 13:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	9.11				SU			08/17/15 14:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-182 (0-2')

Lab Sample ID: 680-115653-20

Date Collected: 08/14/15 13:15
Matrix: Solid
Date Received: 08/14/15 13:35

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.18				SU			08/17/15 14:45	1

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-206 (0-2')

Lab Sample ID: 680-115653-1

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000039	TEQ
Total PCB TEQ					mg/Kg		0.0000041	TEQ
Total TEQ					mg/Kg		0.000043	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-77	**0.000070**	**G**	0.0000087	0.0000087	mg/Kg	0.0001	**0.000000007**	1668C
PCB-81	**0.000034**	**G**	0.0000090	0.0000090	mg/Kg	0.0003	**0.000000010**	1668C
PCB-105	**0.0035**	**E G B**	0.000063	0.000063	mg/Kg	0.00003	**0.00000011**	1668C
PCB-114	**0.00017**	**G**	0.000063	0.000063	mg/Kg	0.00003	**0.000000005**	1668C
PCB-118	**0.0087**	**E G B**	0.000059	0.000059	mg/Kg	0.00003	**0.00000026**	1668C
PCB-123	**0.00014**	**G**	0.000059	0.000059	mg/Kg	0.00003	**0.000000004**	1668C
PCB-126	0.000070	U G	0.000070	0.000070	mg/Kg	0.1	0.0000035	1668C
PCB-156/157	**0.0018**	**G B**	0.000014	0.000014	mg/Kg	0.00003	**0.000000054**	1668C
PCB-167	**0.00053**	**G**	0.0000083	0.0000083	mg/Kg	0.00003	**0.000000016**	1668C
PCB-169	0.000012	U G	0.000012	0.000012	mg/Kg	0.03	0.00000018	1668C
PCB-189	**0.000062**		0.0000023	0.00000061	mg/Kg	0.00003	**0.000000002**	1668C
2,3,7,8-TCDD	**0.0000069**		0.0000011	0.000000076	mg/Kg	1	**0.0000069**	8290A
1,2,3,7,8-PeCDD	**0.000012**		0.0000057	0.00000068	mg/Kg	1	**0.000012**	8290A
1,2,3,7,8-PeCDF	0.00000020	U	0.0000057	0.00000020	mg/Kg	0.03	0.000000086	8290A
2,3,4,7,8-PeCDF	**0.00000043**	**J**	0.0000057	0.00000021	mg/Kg	0.3	**0.00000013**	8290A
1,2,3,4,7,8-HxCDD	**0.000010**		0.0000057	0.0000028	mg/Kg	0.1	**0.0000010**	8290A
1,2,3,6,7,8-HxCDD	**0.000017**		0.0000057	0.0000024	mg/Kg	0.1	**0.0000017**	8290A
1,2,3,7,8,9-HxCDD	**0.0000040**	**J**	0.0000057	0.0000023	mg/Kg	0.1	**0.00000040**	8290A
1,2,3,4,7,8-HxCDF	**0.0000015**	**J q**	0.0000057	0.00000050	mg/Kg	0.1	**0.00000015**	8290A
1,2,3,6,7,8-HxCDF	**0.00000071**	**J**	0.0000057	0.00000044	mg/Kg	0.1	**0.000000071**	8290A
1,2,3,7,8,9-HxCDF	0.00000052	U	0.0000057	0.00000052	mg/Kg	0.1	0.00000029	8290A
2,3,4,6,7,8-HxCDF	**0.00000058**	**J**	0.0000057	0.00000048	mg/Kg	0.1	**0.000000058**	8290A
1,2,3,4,6,7,8-HpCDD	**0.0012**	**G**	0.000017	0.000017	mg/Kg	0.01	**0.000012**	8290A
1,2,3,4,6,7,8-HpCDF	**0.00012**		0.0000057	0.0000014	mg/Kg	0.01	**0.0000012**	8290A
1,2,3,4,7,8,9-HpCDF	**0.0000055**	**J**	0.0000057	0.0000017	mg/Kg	0.01	**0.000000055**	8290A
OCDD	**0.0092**	**E B G**	0.000023	0.000023	mg/Kg	0.0003	**0.0000028**	8290A
OCDF	**0.00079**	**B**	0.000011	0.0000016	mg/Kg	0.0003	**0.00000024**	8290A
2,3,7,8-TCDF - RA	**0.00000087**	**J**	0.0000011	0.00000035	mg/Kg	0.1	**0.000000087**	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-206 (0-2') (Continued) — Lab Sample ID: 680-115653-1

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.11		0.0000020	0.00000020	mg/Kg		0.0000041	None

Client Sample ID: SB-205 (0-2') — Lab Sample ID: 680-115653-2

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000013	TEQ
Total PCB TEQ					mg/Kg		0.0000080	TEQ
Total TEQ					mg/Kg		0.000021	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.00014**	**G**	0.000015	0.000015	mg/Kg	0.0001	**0.000000014**	1668C
PCB-81	**0.000046**	**G**	0.000016	0.000016	mg/Kg	0.0003	**0.000000014**	1668C
PCB-105	**0.0058**	**E B G**	0.00011	0.00011	mg/Kg	0.00003	**0.00000017**	1668C
PCB-114	**0.00024**	**G**	0.00012	0.00012	mg/Kg	0.00003	**0.000000007**	1668C
PCB-118	**0.014**	**E B G**	0.00011	0.00011	mg/Kg	0.00003	**0.00000042**	1668C
PCB-123	**0.00024**	**G**	0.00011	0.00011	mg/Kg	0.00003	**0.000000007**	1668C
PCB-126	0.00014	U G	0.00014	0.00014	mg/Kg	0.1	0.0000070	1668C
PCB-156/157	**0.0029**	**B G**	0.000021	0.000021	mg/Kg	0.00003	**0.000000087**	1668C
PCB-167	**0.00089**	**G**	0.000013	0.000013	mg/Kg	0.00003	**0.000000027**	1668C
PCB-169	0.000020	U G	0.000020	0.000020	mg/Kg	0.03	0.00000030	1668C
PCB-189	**0.00010**		0.0000023	0.00000090	mg/Kg	0.00003	**0.000000003**	1668C
2,3,7,8-TCDD	**0.00000080**	**J**	0.0000012	0.000000049	mg/Kg	1	**0.00000080**	8290A
1,2,3,7,8-PeCDD	**0.0000016**	**J**	0.0000058	0.00000024	mg/Kg	1	**0.0000016**	8290A
1,2,3,7,8-PeCDF	0.00000041	U	0.0000058	0.00000041	mg/Kg	0.03	0.000000087	8290A
2,3,4,7,8-PeCDF	**0.0000011**	**J**	0.0000058	0.00000043	mg/Kg	0.3	**0.00000033**	8290A
1,2,3,4,7,8-HxCDD	**0.0000025**	**J**	0.0000058	0.00000047	mg/Kg	0.1	**0.00000025**	8290A
1,2,3,6,7,8-HxCDD	**0.0000084**		0.0000058	0.00000040	mg/Kg	0.1	**0.00000084**	8290A
1,2,3,7,8,9-HxCDD	**0.0000030**	**J**	0.0000058	0.00000038	mg/Kg	0.1	**0.00000030**	8290A
1,2,3,4,7,8-HxCDF	**0.0000024**	**J**	0.0000058	0.00000026	mg/Kg	0.1	**0.00000024**	8290A
1,2,3,6,7,8-HxCDF	**0.0000020**	**J**	0.0000058	0.00000023	mg/Kg	0.1	**0.00000020**	8290A
1,2,3,7,8,9-HxCDF	0.00000028	U	0.0000058	0.00000028	mg/Kg	0.1	0.00000029	8290A
2,3,4,6,7,8-HxCDF	**0.0000016**	**J q**	0.0000058	0.00000026	mg/Kg	0.1	**0.00000016**	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-205 (0-2') (Continued) — Lab Sample ID: 680-115653-2

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
1,2,3,4,6,7,8-HpCDD	0.00056	G	0.000011	0.000011	mg/Kg	0.01	0.0000056	8290A
1,2,3,4,6,7,8-HpCDF	0.000066		0.0000058	0.00000081	mg/Kg	0.01	0.00000066	8290A
1,2,3,4,7,8,9-HpCDF	0.0000032	J	0.0000058	0.00000097	mg/Kg	0.01	0.000000032	8290A
OCDD	0.0049	E B G	0.000014	0.000014	mg/Kg	0.0003	0.0000015	8290A
OCDF	0.00029	B	0.000012	0.00000068	mg/Kg	0.0003	0.000000087	8290A
2,3,7,8-TCDF - RA	0.0000012		0.0000012	0.00000040	mg/Kg	0.1	0.00000012	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.18		0.0000020	0.00000020	mg/Kg		0.0000080	None

Client Sample ID: SB-201 (0-2') — Lab Sample ID: 680-115653-3

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000056	TEQ
Total PCB TEQ					mg/Kg		0.000087	TEQ
Total TEQ					mg/Kg		0.000093	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	0.00089	G	0.00017	0.00017	mg/Kg	0.0001	0.000000089	1668C
PCB-81	0.00032	G	0.00016	0.00016	mg/Kg	0.0003	0.000000096	1668C
PCB-105	0.030	G B	0.00088	0.00088	mg/Kg	0.00003	0.00000090	1668C
PCB-114	0.0021	G	0.00099	0.00099	mg/Kg	0.00003	0.000000063	1668C
PCB-118	0.069	G E B	0.00077	0.00077	mg/Kg	0.00003	0.0000021	1668C
PCB-123	0.0011	G	0.00089	0.00089	mg/Kg	0.00003	0.000000033	1668C
PCB-126	0.0016	U G	0.0016	0.0016	mg/Kg	0.1	0.000080	1668C
PCB-156/157	0.013	G B	0.00015	0.00015	mg/Kg	0.00003	0.00000039	1668C
PCB-167	0.0034	G	0.000095	0.000095	mg/Kg	0.00003	0.00000010	1668C
PCB-169	0.00021	U G	0.00021	0.00021	mg/Kg	0.03	0.0000032	1668C
PCB-189	0.00038		0.000047	0.0000099	mg/Kg	0.00003	0.000000011	1668C
2,3,7,8-TCDD	0.000000050	U	0.0000012	0.00000050	mg/Kg	1	0.00000060	8290A
1,2,3,7,8-PeCDD	0.00000035	J	0.0000059	0.00000013	mg/Kg	1	0.00000035	8290A
1,2,3,7,8-PeCDF	0.00000035	J q	0.0000059	0.00000014	mg/Kg	0.03	0.000000011	8290A
2,3,4,7,8-PeCDF	0.00000065	J	0.0000059	0.00000015	mg/Kg	0.3	0.00000020	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-201 (0-2') (Continued) — Lab Sample ID: 680-115653-3

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
1,2,3,4,7,8-HxCDD	0.00000048	J	0.0000059	0.00000016	mg/Kg	0.1	0.000000048	8290A
1,2,3,6,7,8-HxCDD	0.0000023	J	0.0000059	0.00000014	mg/Kg	0.1	0.00000023	8290A
1,2,3,7,8,9-HxCDD	0.0000027	J	0.0000059	0.00000013	mg/Kg	0.1	0.00000027	8290A
1,2,3,4,7,8-HxCDF	0.0000018	J	0.0000059	0.00000066	mg/Kg	0.1	0.00000018	8290A
1,2,3,6,7,8-HxCDF	0.00000062	J q	0.0000059	0.00000058	mg/Kg	0.1	0.000000062	8290A
1,2,3,7,8,9-HxCDF	0.000000069	U	0.0000059	0.00000069	mg/Kg	0.1	0.00000030	8290A
2,3,4,6,7,8-HxCDF	0.00000027	J q	0.0000059	0.00000064	mg/Kg	0.1	0.000000027	8290A
1,2,3,4,6,7,8-HpCDD	0.000070		0.0000059	0.0000040	mg/Kg	0.01	0.00000070	8290A
1,2,3,4,6,7,8-HpCDF	0.0000042	J	0.0000059	0.00000014	mg/Kg	0.01	0.000000042	8290A
1,2,3,4,7,8,9-HpCDF	0.00000016	U	0.0000059	0.00000016	mg/Kg	0.01	0.000000030	8290A
OCDD	0.0081	E B G	0.000034	0.000034	mg/Kg	0.0003	0.0000024	8290A
OCDF	0.000022	B	0.000012	0.00000095	mg/Kg	0.0003	0.000000007	8290A
2,3,7,8-TCDF - RA	0.0000019		0.0000012	0.00000072	mg/Kg	0.1	0.00000019	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.98		0.0000020	0.00000020	mg/Kg		0.000087	None

Client Sample ID: SB-201 (2-4") — Lab Sample ID: 680-115653-4

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000070	TEQ
Total PCB TEQ					mg/Kg		0.00000063	TEQ
Total TEQ					mg/Kg		0.0000077	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	0.0000072		0.0000023	0.0000011	mg/Kg	0.0001	0.000000001	1668C
PCB-81	0.0000023		0.0000023	0.0000011	mg/Kg	0.0003	0.000000001	1668C
PCB-105	0.00018	G B	0.0000078	0.0000078	mg/Kg	0.00003	0.000000005	1668C
PCB-114	0.000012	G	0.0000077	0.0000077	mg/Kg	0.00003	0	1668C
PCB-118	0.00044	G B	0.0000070	0.0000070	mg/Kg	0.00003	0.000000013	1668C
PCB-123	0.0000084	G	0.0000071	0.0000071	mg/Kg	0.00003	0	1668C

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-201 (2-4") (Continued) — Lab Sample ID: 680-115653-4

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-126	0.000011	U G	0.000011	0.000011	mg/Kg	0.1	0.00000055	1668C
PCB-156/157	**0.000096**	**B**	0.0000047	0.0000032	mg/Kg	0.00003	**0.000000003**	1668C
PCB-167	**0.000026**		0.0000023	0.0000021	mg/Kg	0.00003	**0.000000001**	1668C
PCB-169	0.0000034	U G	0.0000034	0.0000034	mg/Kg	0.03	0.000000051	1668C
PCB-189	**0.0000053**		0.0000023	0.00000091	mg/Kg	0.00003	**0**	1668C
2,3,7,8-TCDD	0.000000059	U	0.0000012	0.000000059	mg/Kg	1	0.00000060	8290A
2,3,7,8-TCDF	**0.000000056**	**J**	0.0000012	0.000000039	mg/Kg	0.1	**0.000000006**	8290A
1,2,3,7,8-PeCDD	0.00000010	U	0.0000058	0.00000010	mg/Kg	1	0.0000029	8290A
1,2,3,7,8-PeCDF	0.000000035	U	0.0000058	0.000000035	mg/Kg	0.03	0.000000087	8290A
2,3,4,7,8-PeCDF	0.000000037	U	0.0000058	0.000000037	mg/Kg	0.3	0.00000087	8290A
1,2,3,4,7,8-HxCDD	**0.00000020**	**J q**	0.0000058	0.00000013	mg/Kg	0.1	**0.000000020**	8290A
1,2,3,6,7,8-HxCDD	**0.00000041**	**J q**	0.0000058	0.00000011	mg/Kg	0.1	**0.000000041**	8290A
1,2,3,7,8,9-HxCDD	**0.0000013**	**J**	0.0000058	0.00000011	mg/Kg	0.1	**0.00000013**	8290A
1,2,3,4,7,8-HxCDF	0.000000040	U	0.0000058	0.000000040	mg/Kg	0.1	0.00000029	8290A
1,2,3,6,7,8-HxCDF	0.000000035	U	0.0000058	0.000000035	mg/Kg	0.1	0.00000029	8290A
1,2,3,7,8,9-HxCDF	0.000000041	U	0.0000058	0.000000041	mg/Kg	0.1	0.00000029	8290A
2,3,4,6,7,8-HxCDF	0.000000038	U	0.0000058	0.000000038	mg/Kg	0.1	0.00000029	8290A
1,2,3,4,6,7,8-HpCDD	**0.000024**		0.0000058	0.00000094	mg/Kg	0.01	**0.00000024**	8290A
1,2,3,4,6,7,8-HpCDF	**0.00000014**	**J q**	0.0000058	0.000000019	mg/Kg	0.01	**0.000000001**	8290A
1,2,3,4,7,8,9-HpCDF	0.000000023	U	0.0000058	0.000000023	mg/Kg	0.01	0.000000029	8290A
OCDD	**0.0032**	**B G**	0.000015	0.000015	mg/Kg	0.0003	**0.00000096**	8290A
OCDF	**0.00000097**	**J B**	0.000012	0.000000051	mg/Kg	0.0003	**0**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.0064		0.0000020	0.00000020	mg/Kg		0.00000063	None

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-204 (0-2')

Lab Sample ID: 680-115653-6

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000075	TEQ
Total PCB TEQ					mg/Kg		0.00036	TEQ
Total TEQ					mg/Kg		0.00037	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-77	**0.0043**	**G**	0.00075	0.00075	mg/Kg	0.0001	**0.00000043**	1668C
PCB-81	**0.00086**	**G**	0.00081	0.00081	mg/Kg	0.0003	**0.00000026**	1668C
PCB-105	**0.099**	**E B G**	0.0029	0.0029	mg/Kg	0.00003	**0.0000030**	1668C
PCB-114	**0.0063**	**G**	0.0035	0.0035	mg/Kg	0.00003	**0.00000019**	1668C
PCB-118	**0.23**	**E B G**	0.0024	0.0024	mg/Kg	0.00003	**0.0000069**	1668C
PCB-123	**0.0043**	**G**	0.0030	0.0030	mg/Kg	0.00003	**0.00000013**	1668C
PCB-126	0.0067	U G	0.0067	0.0067	mg/Kg	0.1	0.00034	1668C
PCB-156/157	**0.043**	**G B**	0.00047	0.00047	mg/Kg	0.00003	**0.0000013**	1668C
PCB-167	**0.013**	**G**	0.00032	0.00032	mg/Kg	0.00003	**0.00000039**	1668C
PCB-169	0.00080	U G	0.00080	0.00080	mg/Kg	0.03	0.000012	1668C
PCB-189	**0.0014**		0.000047	0.000025	mg/Kg	0.00003	**).000000042**	1668C
2,3,7,8-TCDD	0.00000011	U	0.0000012	0.00000011	mg/Kg	1	0.00000060	8290A
1,2,3,7,8-PeCDD	0.00000062	U	0.0000059	0.00000062	mg/Kg	1	0.0000030	8290A
1,2,3,7,8-PeCDF	**0.0000017**	**J q**	0.0000059	0.00000058	mg/Kg	0.03	**).000000051**	8290A
2,3,4,7,8-PeCDF	**0.0000024**	**J**	0.0000059	0.00000060	mg/Kg	0.3	**0.00000072**	8290A
1,2,3,4,7,8-HxCDD	**0.00000039**	**J**	0.0000059	0.00000028	mg/Kg	0.1	**).000000039**	8290A
1,2,3,6,7,8-HxCDD	**0.0000021**	**J**	0.0000059	0.00000025	mg/Kg	0.1	**0.00000021**	8290A
1,2,3,7,8,9-HxCDD	**0.0000018**	**J**	0.0000059	0.00000023	mg/Kg	0.1	**0.00000018**	8290A
1,2,3,4,7,8-HxCDF	**0.0000050**	**J**	0.0000059	0.00000021	mg/Kg	0.1	**0.00000050**	8290A
1,2,3,6,7,8-HxCDF	**0.0000027**	**J**	0.0000059	0.00000019	mg/Kg	0.1	**0.00000027**	8290A
1,2,3,7,8,9-HxCDF	0.00000022	U	0.0000059	0.00000022	mg/Kg	0.1	0.00000030	8290A
2,3,4,6,7,8-HxCDF	**0.0000020**	**J**	0.0000059	0.00000021	mg/Kg	0.1	**0.00000020**	8290A
1,2,3,4,6,7,8-HpCDD	**0.000031**		0.0000059	0.00000095	mg/Kg	0.01	**0.00000031**	8290A
1,2,3,4,6,7,8-HpCDF	**0.000018**		0.0000059	0.00000045	mg/Kg	0.01	**0.00000018**	8290A
1,2,3,4,7,8,9-HpCDF	**0.0000015**	**J**	0.0000059	0.00000054	mg/Kg	0.01	**).000000015**	8290A
OCDD	**0.00049**	**B**	0.000012	0.0000034	mg/Kg	0.0003	**0.00000015**	8290A
OCDF	**0.000020**	**B**	0.000012	0.00000018	mg/Kg	0.0003	**).000000006**	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-204 (0-2') (Continued) — Lab Sample ID: 680-115653-6

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
2,3,7,8-TCDF - RA	0.0000076		0.0000012	0.00000075	mg/Kg	0.1	0.00000076	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	3.4		0.0000020	0.00000020	mg/Kg		0.00036	None

Client Sample ID: SB-207 (0-2') — Lab Sample ID: 680-115653-7

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000095	TEQ
Total PCB TEQ					mg/Kg		0.00015	TEQ
Total TEQ					mg/Kg		0.00016	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	0.0019	G	0.00017	0.00017	mg/Kg	0.0001	0.00000019	1668C
PCB-81	0.00040	G	0.00017	0.00017	mg/Kg	0.0003	0.00000012	1668C
PCB-105	0.047	E B G	0.0016	0.0016	mg/Kg	0.00003	0.0000014	1668C
PCB-114	0.0023	G	0.0016	0.0016	mg/Kg	0.00003	).000000069	1668C
PCB-118	0.11	E B G	0.0013	0.0013	mg/Kg	0.00003	0.0000033	1668C
PCB-123	0.0017	G q	0.0015	0.0015	mg/Kg	0.00003	).000000051	1668C
PCB-126	0.0028	U G	0.0028	0.0028	mg/Kg	0.1	0.00014	1668C
PCB-156/157	0.024	G B	0.00030	0.00030	mg/Kg	0.00003	0.00000072	1668C
PCB-167	0.0076	G	0.00019	0.00019	mg/Kg	0.00003	0.00000023	1668C
PCB-169	0.00039	U G	0.00039	0.00039	mg/Kg	0.03	0.0000059	1668C
PCB-189	0.0013		0.000047	0.000028	mg/Kg	0.00003	).000000039	1668C
2,3,7,8-TCDD	0.00000015	J q	0.0000012	0.000000059	mg/Kg	1	0.00000015	8290A
2,3,7,8-TCDF	0.0000080		0.0000012	0.00000022	mg/Kg	0.1	0.00000080	8290A
1,2,3,7,8-PeCDD	0.00000035	U	0.0000058	0.00000035	mg/Kg	1	0.0000029	8290A
1,2,3,7,8-PeCDF	0.00000094	J	0.0000058	0.00000042	mg/Kg	0.03	).000000028	8290A
2,3,4,7,8-PeCDF	0.0000021	J	0.0000058	0.00000044	mg/Kg	0.3	0.00000063	8290A
1,2,3,4,7,8-HxCDD	0.0000010	J	0.0000058	0.00000019	mg/Kg	0.1	0.00000010	8290A
1,2,3,6,7,8-HxCDD	0.0000047	J	0.0000058	0.00000016	mg/Kg	0.1	0.00000047	8290A
1,2,3,7,8,9-HxCDD	0.0000038	J	0.0000058	0.00000016	mg/Kg	0.1	0.00000038	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-207 (0-2') (Continued) — Lab Sample ID: 680-115653-7

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
1,2,3,4,7,8-HxCDF	**0.0000056**	**J**	0.0000058	0.00000022	mg/Kg	0.1	**0.00000056**	8290A
1,2,3,6,7,8-HxCDF	**0.0000034**	**J**	0.0000058	0.00000019	mg/Kg	0.1	**0.00000034**	8290A
1,2,3,7,8,9-HxCDF	0.00000023	U	0.0000058	0.00000023	mg/Kg	0.1	0.00000029	8290A
2,3,4,6,7,8-HxCDF	**0.0000015**	**J**	0.0000058	0.00000022	mg/Kg	0.1	**0.00000015**	8290A
1,2,3,4,6,7,8-HpCDD	**0.00017**		0.0000058	0.0000040	mg/Kg	0.01	**0.0000017**	8290A
1,2,3,4,6,7,8-HpCDF	**0.000036**		0.0000058	0.00000062	mg/Kg	0.01	**0.00000036**	8290A
1,2,3,4,7,8,9-HpCDF	0.00000075	U	0.0000058	0.00000075	mg/Kg	0.01	0.000000029	8290A
OCDD	**0.0021**	**B**	0.000012	0.0000099	mg/Kg	0.0003	**0.00000063**	8290A
OCDF	**0.000096**	**B**	0.000012	0.00000041	mg/Kg	0.0003	**).000000029**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	1.8		0.0000020	0.00000020	mg/Kg		0.00015	None

Client Sample ID: SB-200 (0-2') — Lab Sample ID: 680-115653-8

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000082	TEQ
Total PCB TEQ					mg/Kg		0.000011	TEQ
Total TEQ					mg/Kg		0.000019	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.00013**		0.000049	0.000023	mg/Kg	0.0001	**).000000013**	1668C
PCB-81	0.000019	U	0.000049	0.000019	mg/Kg	0.0003	0.000000007	1668C
PCB-105	**0.0028**	**G B**	0.00013	0.00013	mg/Kg	0.00003	**).000000084**	1668C
PCB-114	**0.00016**	**G**	0.00012	0.00012	mg/Kg	0.00003	**).000000005**	1668C
PCB-118	**0.0066**	**G B**	0.00010	0.00010	mg/Kg	0.00003	**0.00000020**	1668C
PCB-123	**0.00011**	**G**	0.00011	0.00011	mg/Kg	0.00003	**).000000003**	1668C
PCB-126	0.00019	U G	0.00019	0.00019	mg/Kg	0.1	0.0000095	1668C
PCB-156/157	**0.0014**	**B**	0.000098	0.000020	mg/Kg	0.00003	**).000000042**	1668C
PCB-167	**0.00045**		0.000049	0.000014	mg/Kg	0.00003	**).000000014**	1668C
PCB-169	0.000027	U	0.000049	0.000027	mg/Kg	0.03	0.00000074	1668C
PCB-189	**0.000063**		0.000049	0.0000068	mg/Kg	0.00003	**).000000002**	1668C
2,3,7,8-TCDD	0.000000047	U	0.0000012	0.00000047	mg/Kg	1	0.00000060	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Client Sample ID: SB-200 (0-2') (Continued) — Lab Sample ID: 680-115653-8

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
2,3,7,8-TCDF	0.00000060	J	0.0000012	0.000000041	mg/Kg	0.1	0.000000060	8290A
1,2,3,7,8-PeCDD	0.00000030	J	0.0000061	0.000000099	mg/Kg	1	0.00000030	8290A
1,2,3,7,8-PeCDF	0.00000016	J q	0.0000061	0.000000063	mg/Kg	0.03	0.000000005	8290A
2,3,4,7,8-PeCDF	0.00000021	J q	0.0000061	0.000000066	mg/Kg	0.3	0.000000063	8290A
1,2,3,4,7,8-HxCDD	0.00000057	J q	0.0000061	0.00000014	mg/Kg	0.1	0.000000057	8290A
1,2,3,6,7,8-HxCDD	0.0000015	J	0.0000061	0.00000012	mg/Kg	0.1	0.00000015	8290A
1,2,3,7,8,9-HxCDD	0.0000039	J	0.0000061	0.00000012	mg/Kg	0.1	0.00000039	8290A
1,2,3,4,7,8-HxCDF	0.00000085	J	0.0000061	0.000000078	mg/Kg	0.1	0.000000085	8290A
1,2,3,6,7,8-HxCDF	0.00000031	J	0.0000061	0.000000068	mg/Kg	0.1	0.000000031	8290A
1,2,3,7,8,9-HxCDF	0.000000081	U	0.0000061	0.000000081	mg/Kg	0.1	0.00000031	8290A
2,3,4,6,7,8-HxCDF	0.00000014	J	0.0000061	0.000000075	mg/Kg	0.1	0.000000014	8290A
1,2,3,4,6,7,8-HpCDD	0.00015		0.0000061	0.0000051	mg/Kg	0.01	0.0000015	8290A
1,2,3,4,6,7,8-HpCDF	0.0000048	J	0.0000061	0.00000015	mg/Kg	0.01	0.000000048	8290A
1,2,3,4,7,8,9-HpCDF	0.00000018	U	0.0000061	0.00000018	mg/Kg	0.01	0.000000031	8290A
OCDD	0.015	E B G	0.000052	0.000052	mg/Kg	0.0003	0.0000045	8290A
OCDF	0.000048	B	0.000012	0.00000014	mg/Kg	0.0003	0.000000014	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.096		0.0000020	0.00000020	mg/Kg		0.000011	None

Client Sample ID: SB-200 (2-4') — Lab Sample ID: 680-115653-9

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000011	TEQ
Total PCB TEQ					mg/Kg		0.0000055	TEQ
Total TEQ					mg/Kg		0.000016	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	0.000024		0.000024	0.000012	mg/Kg	0.0001	0.000000002	1668C

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-200 (2-4') (Continued) — Lab Sample ID: 680-115653-9

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-81	0.000011	U	0.000024	0.000011	mg/Kg	0.0003	0.000000004	1668C
PCB-105	**0.00073**	**G B**	0.000053	0.000053	mg/Kg	0.00003	**0.000000022**	1668C
PCB-114	0.000049	U G	0.000049	0.000049	mg/Kg	0.00003	0.000000001	1668C
PCB-118	**0.0016**	**G B**	0.000044	0.000044	mg/Kg	0.00003	**0.000000048**	1668C
PCB-123	0.000047	U G	0.000047	0.000047	mg/Kg	0.00003	0.000000001	1668C
PCB-126	0.00010	U G	0.00010	0.00010	mg/Kg	0.1	0.0000050	1668C
PCB-156/157	**0.00037**	**B**	0.000048	0.000016	mg/Kg	0.00003	**0.000000011**	1668C
PCB-167	**0.00011**		0.000024	0.000011	mg/Kg	0.00003	**0.000000003**	1668C
PCB-169	0.000022	U	0.000024	0.000022	mg/Kg	0.03	0.00000036	1668C
PCB-189	**0.000020**	**J**	0.000024	0.0000065	mg/Kg	0.00003	**0.000000001**	1668C
2,3,7,8-TCDD	**0.00000011**	**J**	0.0000012	0.000000046	mg/Kg	1	**0.00000011**	8290A
2,3,7,8-TCDF	**0.00000012**	**J**	0.0000012	0.000000029	mg/Kg	0.1	**0.000000012**	8290A
1,2,3,7,8-PeCDD	**0.00000030**	**J**	0.0000060	0.000000073	mg/Kg	1	**0.00000030**	8290A
1,2,3,7,8-PeCDF	0.000000031	U	0.0000060	0.000000031	mg/Kg	0.03	0.000000090	8290A
2,3,4,7,8-PeCDF	0.000000032	U	0.0000060	0.000000032	mg/Kg	0.3	0.00000090	8290A
1,2,3,4,7,8-HxCDD	**0.00000056**	**J**	0.0000060	0.0000021	mg/Kg	0.1	**0.000000056**	8290A
1,2,3,6,7,8-HxCDD	**0.0000011**	**J q**	0.0000060	0.00000018	mg/Kg	0.1	**0.00000011**	8290A
1,2,3,7,8,9-HxCDD	**0.000012**		0.0000060	0.00000017	mg/Kg	0.1	**0.0000012**	8290A
1,2,3,4,7,8-HxCDF	0.000000046	U	0.0000060	0.000000046	mg/Kg	0.1	0.00000030	8290A
1,2,3,6,7,8-HxCDF	**0.00000015**	**J q**	0.0000060	0.000000041	mg/Kg	0.1	**0.000000015**	8290A
1,2,3,7,8,9-HxCDF	0.000000048	U	0.0000060	0.000000048	mg/Kg	0.1	0.00000030	8290A
2,3,4,6,7,8-HxCDF	0.000000045	U	0.0000060	0.000000045	mg/Kg	0.1	0.00000030	8290A
1,2,3,4,6,7,8-HpCDD	**0.00020**		0.0000060	0.0000031	mg/Kg	0.01	**0.0000020**	8290A
1,2,3,4,6,7,8-HpCDF	**0.00000066**	**J**	0.0000060	0.000000044	mg/Kg	0.01	**0.000000007**	8290A
1,2,3,4,7,8,9-HpCDF	0.000000053	U	0.0000060	0.000000053	mg/Kg	0.01	0.000000030	8290A
OCDD	**0.016**	**E B G**	0.000054	0.000054	mg/Kg	0.0003	**0.0000048**	8290A
OCDF	**0.0000081**	**J B**	0.000012	0.000000076	mg/Kg	0.0003	**0.000000002**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.025		0.0000020	0.00000020	mg/Kg		0.0000055	None

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: EB-02 (081315)

Lab Sample ID: 680-115653-10

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					pg/L		55	TEQ
Total PCB TEQ					pg/L		1.2	TEQ
Total TEQ					pg/L		56	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-77	2.0	U	19	2.0	pg/L	0.0001	0.00095	1668C
PCB-81	1.9	U	19	1.9	pg/L	0.0003	0.0029	1668C
PCB-105	1.2	U	19	1.2	pg/L	0.00003	0.00029	1668C
PCB-114	1.2	U	19	1.2	pg/L	0.00003	0.00029	1668C
PCB-118	**2.9**	**J q B**	19	1.1	pg/L	0.00003	**0.000087**	1668C
PCB-123	1.1	U	19	1.1	pg/L	0.00003	0.00029	1668C
PCB-126	1.7	U	19	1.7	pg/L	0.1	0.95	1668C
PCB-156/157	1.2	U	38	1.2	pg/L	0.00003	0.00057	1668C
PCB-167	0.78	U	19	0.78	pg/L	0.00003	0.00029	1668C
PCB-169	1.2	U	19	1.2	pg/L	0.03	0.29	1668C
PCB-189	1.9	U	19	1.9	pg/L	0.00003	0.00029	1668C
2,3,7,8-TCDD	0.30	U	9.7	0.30	pg/L	1	4.9	8290A
2,3,7,8-TCDF	0.23	U	9.7	0.23	pg/L	0.1	0.49	8290A
1,2,3,7,8-PeCDD	0.39	U	48	0.39	pg/L	1	24	8290A
1,2,3,7,8-PeCDF	0.29	U	48	0.29	pg/L	0.03	0.72	8290A
2,3,4,7,8-PeCDF	0.31	U	48	0.31	pg/L	0.3	7.2	8290A
1,2,3,4,7,8-HxCDD	0.28	U	48	0.28	pg/L	0.1	2.4	8290A
1,2,3,6,7,8-HxCDD	0.24	U	48	0.24	pg/L	0.1	2.4	8290A
1,2,3,7,8,9-HxCDD	0.23	U	48	0.23	pg/L	0.1	2.4	8290A
1,2,3,4,7,8-HxCDF	0.25	U	48	0.25	pg/L	0.1	2.4	8290A
1,2,3,6,7,8-HxCDF	0.22	U	48	0.22	pg/L	0.1	2.4	8290A
1,2,3,7,8,9-HxCDF	0.26	U	48	0.26	pg/L	0.1	2.4	8290A
2,3,4,6,7,8-HxCDF	0.24	U	48	0.24	pg/L	0.1	2.4	8290A
1,2,3,4,6,7,8-HpCDD	0.26	U	48	0.26	pg/L	0.01	0.24	8290A
1,2,3,4,6,7,8-HpCDF	0.20	U	48	0.20	pg/L	0.01	0.24	8290A
1,2,3,4,7,8,9-HpCDF	0.24	U	48	0.24	pg/L	0.01	0.24	8290A
OCDD	**0.99**	**J B**	97	0.39	pg/L	0.0003	**0.00030**	8290A
OCDF	0.56	U	97	0.56	pg/L	0.0003	0.015	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Polychlorinated biphenyls, Total	32		20	1.0	pg/L		1.2	None

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-203 (0-2')

Lab Sample ID: 680-115653-15

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000013	TEQ
Total PCB TEQ					mg/Kg		0.000017	TEQ
Total TEQ					mg/Kg		0.000029	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	TEQ	Method
PCB-77	**0.00051**		0.000046	0.000046	mg/Kg	0.0001	**0.000000051**	1668C
PCB-81	**0.000083**		0.000046	0.000044	mg/Kg	0.0003	**0.000000025**	1668C
PCB-105	**0.0076**	**G B**	0.00020	0.00020	mg/Kg	0.00003	**0.00000023**	1668C
PCB-114	**0.00041**	**G**	0.00020	0.00020	mg/Kg	0.00003	**0.000000012**	1668C
PCB-118	**0.018**	**G B**	0.00018	0.00018	mg/Kg	0.00003	**0.00000054**	1668C
PCB-123	**0.00026**	**G**	0.00018	0.00018	mg/Kg	0.00003	**0.000000008**	1668C
PCB-126	0.00029	U G	0.00029	0.00029	mg/Kg	0.1	0.000015	1668C
PCB-156/157	**0.0032**	**B**	0.000091	0.000034	mg/Kg	0.00003	**0.000000096**	1668C
PCB-167	**0.00096**		0.000046	0.000022	mg/Kg	0.00003	**0.000000029**	1668C
PCB-169	0.000042	U	0.000046	0.000042	mg/Kg	0.03	0.00000069	1668C
PCB-189	**0.00012**		0.000046	0.0000081	mg/Kg	0.00003	**0.000000004**	1668C
2,3,7,8-TCDD	**0.00000016**	**J q**	0.0000011	0.000000044	mg/Kg	1	**0.00000016**	8290A
2,3,7,8-TCDF	**0.0000014**		0.0000011	0.000000061	mg/Kg	0.1	**0.00000014**	8290A
1,2,3,7,8-PeCDD	0.00000021	U	0.0000057	0.00000021	mg/Kg	1	0.0000029	8290A
1,2,3,7,8-PeCDF	**0.00000074**	**J**	0.0000057	0.00000017	mg/Kg	0.03	**0.000000022**	8290A
2,3,4,7,8-PeCDF	**0.00000088**	**J**	0.0000057	0.00000018	mg/Kg	0.3	**0.00000026**	8290A
1,2,3,4,7,8-HxCDD	**0.0000017**	**J**	0.0000057	0.00000052	mg/Kg	0.1	**0.00000017**	8290A
1,2,3,6,7,8-HxCDD	**0.000026**		0.0000057	0.00000045	mg/Kg	0.1	**0.0000026**	8290A
1,2,3,7,8,9-HxCDD	**0.000014**		0.0000057	0.00000043	mg/Kg	0.1	**0.0000014**	8290A
1,2,3,4,7,8-HxCDF	**0.0000037**	**J**	0.0000057	0.00000020	mg/Kg	0.1	**0.00000037**	8290A
1,2,3,6,7,8-HxCDF	**0.0000021**	**J**	0.0000057	0.00000018	mg/Kg	0.1	**0.00000021**	8290A
1,2,3,7,8,9-HxCDF	0.00000021	U	0.0000057	0.00000021	mg/Kg	0.1	0.00000029	8290A
2,3,4,6,7,8-HxCDF	**0.0000017**	**J**	0.0000057	0.00000020	mg/Kg	0.1	**0.00000017**	8290A
1,2,3,4,6,7,8-HpCDD	**0.00021**		0.0000057	0.0000032	mg/Kg	0.01	**0.0000021**	8290A
1,2,3,4,6,7,8-HpCDF	**0.000051**		0.0000057	0.00000072	mg/Kg	0.01	**0.00000051**	8290A
1,2,3,4,7,8,9-HpCDF	0.00000087	U	0.0000057	0.00000087	mg/Kg	0.01	0.000000029	8290A
OCDD	**0.0039**	**B G**	0.000014	0.000014	mg/Kg	0.0003	**0.0000012**	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-203 (0-2') (Continued) — Lab Sample ID: 680-115653-15

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
OCDF	**0.00013**	**B**	0.000011	0.00000046	mg/Kg	0.0003	**0.000000039**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	0.24		0.0000020	0.00000020	mg/Kg		0.000017	None

Client Sample ID: SB-202 (0-2') — Lab Sample ID: 680-115653-16

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000041	TEQ
Total PCB TEQ					mg/Kg		0.00049	TEQ
Total TEQ					mg/Kg		0.00053	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
PCB-77	**0.0026**	**G**	0.0011	0.0011	mg/Kg	0.0001	**0.00000026**	1668C
PCB-81	**0.0028**	**G**	0.0013	0.0013	mg/Kg	0.0003	**0.00000084**	1668C
PCB-105	**0.17**	**E B G**	0.0060	0.0060	mg/Kg	0.00003	**0.0000051**	1668C
PCB-114	0.0066	U G	0.0066	0.0066	mg/Kg	0.00003	0.000000099	1668C
PCB-118	**0.35**	**E B G**	0.0050	0.0050	mg/Kg	0.00003	**0.000011**	1668C
PCB-123	0.0061	U G	0.0061	0.0061	mg/Kg	0.00003	0.000000092	1668C
PCB-126	0.0092	U G	0.0092	0.0092	mg/Kg	0.1	0.00046	1668C
PCB-156/157	**0.072**	**G B**	0.00072	0.00072	mg/Kg	0.00003	**0.0000022**	1668C
PCB-167	**0.020**	**G**	0.00048	0.00048	mg/Kg	0.00003	**0.00000060**	1668C
PCB-169	0.00085	U G	0.00085	0.00085	mg/Kg	0.03	0.000013	1668C
PCB-189	**0.0024**		0.000048	0.000031	mg/Kg	0.00003	**0.000000072**	1668C
2,3,7,8-TCDD	0.00000018	U	0.0000060	0.00000018	mg/Kg	1	0.0000030	8290A
1,2,3,7,8-PeCDD	0.00000091	U	0.000030	0.00000091	mg/Kg	1	0.000015	8290A
1,2,3,7,8-PeCDF	**0.0000078**	**J**	0.000030	0.0000013	mg/Kg	0.03	**0.00000023**	8290A
2,3,4,7,8-PeCDF	**0.000015**	**J**	0.000030	0.0000014	mg/Kg	0.3	**0.0000045**	8290A
1,2,3,4,7,8-HxCDD	**0.0000016**	**J q**	0.000030	0.00000068	mg/Kg	0.1	**0.00000016**	8290A
1,2,3,6,7,8-HxCDD	**0.000019**	**J**	0.000030	0.00000059	mg/Kg	0.1	**0.0000019**	8290A
1,2,3,7,8,9-HxCDD	**0.000012**	**J**	0.000030	0.00000056	mg/Kg	0.1	**0.0000012**	8290A
1,2,3,4,7,8-HxCDF	**0.000035**		0.000030	0.00000096	mg/Kg	0.1	**0.0000035**	8290A
1,2,3,6,7,8-HxCDF	**0.000013**	**J**	0.000030	0.00000084	mg/Kg	0.1	**0.0000013**	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-202 (0-2') (Continued) — Lab Sample ID: 680-115653-16

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
1,2,3,7,8,9-HxCDF	0.0000010	U	0.000030	0.0000010	mg/Kg	0.1	0.0000015	8290A
2,3,4,6,7,8-HxCDF	**0.0000045**	**J**	0.000030	0.00000093	mg/Kg	0.1	**0.00000045**	8290A
1,2,3,4,6,7,8-HpCDD	**0.00031**	**B**	0.000030	0.000012	mg/Kg	0.01	**0.0000031**	8290A
1,2,3,4,6,7,8-HpCDF	**0.000043**	**B**	0.000030	0.0000015	mg/Kg	0.01	**0.00000043**	8290A
1,2,3,4,7,8,9-HpCDF	**0.0000075**	**J**	0.000030	0.0000018	mg/Kg	0.01	**).000000075**	8290A
OCDD	**0.011**	**B**	0.000060	0.000042	mg/Kg	0.0003	**0.0000033**	8290A
OCDF	**0.00017**	**B**	0.000060	0.00000085	mg/Kg	0.0003	**).000000051**	8290A
2,3,7,8-TCDF - RA	**0.000018**		0.0000060	0.0000043	mg/Kg	0.1	**0.0000018**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = 0 TEF	WHO 2005 ND = 0 TEQ	Method
Polychlorinated biphenyls, Total	6.0		0.0000020	0.00000020	mg/Kg		0.00049	None

TEF Reference:

WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

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)
680-115653-1	SB-206 (0-2')	46	55	48	75	58	82	51	113
680-115653-2	SB-205 (0-2')	52	59	50	72	63	83	54	110
680-115653-3	SB-201 (0-2')	47	53	56	66	67	66	58	73
680-115653-4	SB-201 (2-4")	46	51	46	52	48	64	36	82
680-115653-6	SB-204 (0-2')	51	49	59	52	67	34	55	76
680-115653-7	SB-207 (0-2')	51	59	68	71	96	70	70	93
680-115653-8	SB-200 (0-2')	55	65	72	79	91	75	94	82
680-115653-9	SB-200 (2-4')	45	52	50	55	55	71	48	82
680-115653-15	SB-203 (0-2')	57	67	71	82	91	75	82	93
680-115653-16	SB-202 (0-2')	55 q	67 q	69	85	95	41	67	74
MB 320-83124/1-A	Method Blank	51	57	52	65	68	63	56	78

		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)
680-115653-1	SB-206 (0-2')	112	55	101	98	97	100	118	75
680-115653-2	SB-205 (0-2')	107	52	99	94	94	95	110	69
680-115653-3	SB-201 (0-2')	74	68	87	78	88	81	75	71
680-115653-4	SB-201 (2-4")	81	39	73	71	73	71	70	62
680-115653-6	SB-204 (0-2')	69	57	80	66	90	72	59	59
680-115653-7	SB-207 (0-2')	87	73	97	92	106	94	87	66
680-115653-8	SB-200 (0-2')	88	88	94	99	103	98	87	84
680-115653-9	SB-200 (2-4')	85	51	84	87	91	83	67	79
680-115653-15	SB-203 (0-2')	78	90	109	104	104	105	103	71
680-115653-16	SB-202 (0-2')	69	78	92	80	102	83	93	45
MB 320-83124/1-A	Method Blank	82	59	79	78	82	78	79	71

		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)
680-115653-1	SB-206 (0-2')	115	121	126	66	102	86	92	81
680-115653-2	SB-205 (0-2')	115	114	116	65	97	80	91	84
680-115653-3	SB-201 (0-2')	75	80	69	108	83	113	81	84
680-115653-4	SB-201 (2-4")	98	100	97	49	82	65	80	72
680-115653-6	SB-204 (0-2')	65	65	50	110	81	116	76	89
680-115653-7	SB-207 (0-2')	75	77	65	109	91	119	84	85
680-115653-8	SB-200 (0-2')	87	88	76	107	87	123	84	87
680-115653-9	SB-200 (2-4')	114	118	98	58	89	79	84	75
680-115653-15	SB-203 (0-2')	86	87	78	113	90	128	78	81
680-115653-16	SB-202 (0-2')	70	69	64	110	87	119	76	90
MB 320-83124/1-A	Method Blank	104	104	103	69	99	89	95	93

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PCB-208L (10-145)	PCB-209L (10-145)
680-115653-1	SB-206 (0-2')	90	69
680-115653-2	SB-205 (0-2')	87	71
680-115653-3	SB-201 (0-2')	95	76
680-115653-4	SB-201 (2-4")	78	58
680-115653-6	SB-204 (0-2')	97	71
680-115653-7	SB-207 (0-2')	95	78

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

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)						
680-115653-8	SB-200 (0-2')	106	82						
680-115653-9	SB-200 (2-4')	91	61						
680-115653-15	SB-203 (0-2')	99	74						
680-115653-16	SB-202 (0-2')	100	80						
MB 320-83124/1-A	Method Blank	95	81						

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 320-83124/2-A	Lab Control Sample	60	68	58	75	65	69	59	87

		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 320-83124/2-A	Lab Control Sample	91	63	85	86	88	85	88	74

		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 320-83124/2-A	Lab Control Sample	105	103	108	64	93	80	90	86

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

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 (40-145)	PCB-209L (40-145)						
LCS 320-83124/2-A	Lab Control Sample	90	78						

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)
680-115653-10	EB-02 (081315)	59	63	69	69	75	64	70	74
MB 320-83158/1-A	Method Blank	67	71	82	78	87	66	78	75

		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)
680-115653-10	EB-02 (081315)	78	80	90	89	92	87	89	81
MB 320-83158/1-A	Method Blank	80	84	92	92	96	90	87	79

		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)
680-115653-10	EB-02 (081315)	87	87	88	86	86	95	92	99
MB 320-83158/1-A	Method Blank	84	83	80	99	87	107	97	105

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**PCB-208L (10-145)**	**PCB-209L (10-145)**						
680-115653-10	EB-02 (081315)	94	99						
MB 320-83158/1-A	Method Blank	100	108						

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 320-83158/2-A	Lab Control Sample	61	67	73	74	77	70	73	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 320-83158/2-A	Lab Control Sample	83	83	96	94	97	93	98	78

		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 320-83158/2-A	Lab Control Sample	89	87	97	80	86	87	97	105

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PCB-208L (40-145)	PCB-209L (40-145)						
LCS 320-83158/2-A	Lab Control Sample	90	107						

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	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	HxCDD2 (40-135)	HxCDF1 (40-135)	HpCDD (40-135)	HpCDF1 (40-135)
680-115653-1	SB-206 (0-2')	83	87	92	91	79	86	96	97
680-115653-1 - RA	SB-206 (0-2')		75						
680-115653-2	SB-205 (0-2')	86	89	97	93	87	82	101	97
680-115653-2 - RA	SB-205 (0-2')		77						
680-115653-3	SB-201 (0-2')	78	80	86	86	79	73	86	82
680-115653-3 - RA	SB-201 (0-2')		71						
680-115653-4	SB-201 (2-4")	68	68	74	72	69	63	75	72
680-115653-6	SB-204 (0-2')	53	52	55	56	55	49	58	56
680-115653-6 - RA	SB-204 (0-2')		49						
680-115653-7	SB-207 (0-2')	84	88	93	92	90	80	91	92
680-115653-8	SB-200 (0-2')	87	92	96	102	90	82	100	96
680-115653-9	SB-200 (2-4')	85	89	96	98	87	82	100	94
680-115653-15	SB-203 (0-2')	90	95	94	96	88	83	91	91

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

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	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	HxCDD2 (40-135)	HxCDF1 (40-135)	HpCDD (40-135)	HpCDF1 (40-135)
680-115653-16	SB-202 (0-2')	108	106	99	103	86	90	91	79
680-115653-16 - RA	SB-202 (0-2')		86						
LCS 320-83133/2-A	Lab Control Sample	85	87	96	91	89	80	91	86
MB 320-83133/1-A	Method Blank	88	86	96	93	86	81	95	90

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OCDD (40-135)
680-115653-1	SB-206 (0-2')	93
680-115653-1 - RA	SB-206 (0-2')	
680-115653-2	SB-205 (0-2')	104
680-115653-2 - RA	SB-205 (0-2')	
680-115653-3	SB-201 (0-2')	89
680-115653-3 - RA	SB-201 (0-2')	
680-115653-4	SB-201 (2-4")	82
680-115653-6	SB-204 (0-2')	59
680-115653-6 - RA	SB-204 (0-2')	
680-115653-7	SB-207 (0-2')	86
680-115653-8	SB-200 (0-2')	105
680-115653-9	SB-200 (2-4')	108
680-115653-15	SB-203 (0-2')	88
680-115653-16	SB-202 (0-2')	76
680-115653-16 - RA	SB-202 (0-2')	
LCS 320-83133/2-A	Lab Control Sample	94
MB 320-83133/1-A	Method Blank	96

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF1 = 13C-1,2,3,7,8-PeCDF
HxCDD2 = 13C-1,2,3,6,7,8-HxCDD
HxCDF1 = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF
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)	TCDF (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	HxCDD2 (40-135)	HxCDF1 (40-135)	HpCDD (40-135)	HpCDF1 (40-135)
680-115653-10	EB-02 (081315)	89	89	95	93	103	87	91	90
LCS 320-83157/2-A	Lab Control Sample	86	82	89	86	93	80	85	84
LCSD 320-83157/3-A	Lab Control Sample Dup	85	84	87	87	92	76	80	80
MB 320-83157/1-A	Method Blank	86	84	90	89	94	80	84	83

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**OCDD (40-135)**							
680-115653-10	EB-02 (081315)	89							
LCS 320-83157/2-A	Lab Control Sample	83							
LCSD 320-83157/3-A	Lab Control Sample Dup	78							
MB 320-83157/1-A	Method Blank	79							

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF1 = 13C-1,2,3,7,8-PeCDF
HxCDD2 = 13C-1,2,3,6,7,8-HxCDD
HxCDF1 = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-397158/10-A
Matrix: Solid
Analysis Batch: 398363

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 397158

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		08/20/15 12:20	08/28/15 01:23	1
Aniline	0.0082	U	0.066	0.0082	mg/Kg		08/20/15 12:20	08/28/15 01:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*24 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
2-Fluorobiphenyl (Surr)	*72*		*11 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
2-Fluorophenol (Surr)	*67*		*10 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
Terphenyl-d14 (Surr)	*70*		*27 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
Phenol-d5 (Surr)	*74*		*10 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
Nitrobenzene-d5 (Surr)	*74*		*18 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*

Lab Sample ID: LCS 680-397158/11-A
Matrix: Solid
Analysis Batch: 398363

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 397158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.330	0.243		mg/Kg		74	10 - 130
Aniline	0.330	0.240		mg/Kg		73	10 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 130*
2-Fluorobiphenyl (Surr)	*71*		*11 - 130*
2-Fluorophenol (Surr)	*70*		*10 - 130*
Terphenyl-d14 (Surr)	*72*		*27 - 130*
Phenol-d5 (Surr)	*70*		*10 - 130*
Nitrobenzene-d5 (Surr)	*77*		*18 - 130*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-396729/8-A
Matrix: Water
Analysis Batch: 397210

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 396729

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.15	U	1.0	0.15	ug/L		08/18/15 09:43	08/20/15 16:25	1
PCB-1260	0.13	U	1.0	0.13	ug/L		08/18/15 09:43	08/20/15 16:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*10 - 130*	*08/18/15 09:43*	*08/20/15 16:25*	*1*
Tetrachloro-m-xylene	*59*		*39 - 130*	*08/18/15 09:43*	*08/20/15 16:25*	*1*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: LCS 680-396729/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 397210 — **Prep Batch: 396729**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1260			10.0	9.66		ug/L		97	33 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*83*		*10 - 130*
Tetrachloro-m-xylene	*54*		*39 - 130*

Lab Sample ID: LCSD 680-396729/12-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 397210 — **Prep Batch: 396729**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260			10.0	8.90		ug/L		89	33 - 130	8	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*10 - 130*
Tetrachloro-m-xylene	*52*		*39 - 130*

Lab Sample ID: MB 680-397162/16-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 397526 — **Prep Batch: 397162**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.010	U	0.033	0.010	mg/Kg		08/20/15 12:20	08/21/15 21:58	1
PCB-1260	0.0097	U	0.033	0.0097	mg/Kg		08/20/15 12:20	08/21/15 21:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*131*		*54 - 133*	*08/20/15 12:20*	*08/21/15 21:58*	*1*
Tetrachloro-m-xylene	*109*		*46 - 130*	*08/20/15 12:20*	*08/21/15 21:58*	*1*

Lab Sample ID: LCS 680-397162/17-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 397526 — **Prep Batch: 397162**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1260			0.650	0.532		mg/Kg		82	45 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*54 - 133*
Tetrachloro-m-xylene	*80*		*46 - 130*

Lab Sample ID: 680-115653-1 MS — **Client Sample ID: SB-206 (0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 397526 — **Prep Batch: 397162**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1260	0.011	U	0.757	0.612		mg/Kg	☼	81	45 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	79		54 - 133
Tetrachloro-m-xylene	94		46 - 130

Lab Sample ID: 680-115653-1 MSD
Matrix: Solid
Analysis Batch: 397526

Client Sample ID: SB-206 (0-2')
Prep Type: Total/NA
Prep Batch: 397162

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	0.011	U	0.761	0.663		mg/Kg	☼	87	45 - 130	8	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	85		54 - 133
Tetrachloro-m-xylene	104		46 - 130

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-83124/1-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83124

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00000023	U	0.000020	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-2	0.00000027	U	0.000020	0.00000027	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-3	0.00000029	U	0.000020	0.00000029	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-4	0.0000096	U	0.000020	0.0000096	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-5	0.0000087	U	0.000020	0.0000087	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-6	0.0000084	U	0.000020	0.0000084	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-7	0.0000079	U	0.000020	0.0000079	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-8	0.0000075	U	0.000020	0.0000075	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-9	0.0000095	U	0.000020	0.0000095	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-10	0.0000072	U	0.000020	0.0000072	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-11	0.0000088	U	0.000020	0.0000088	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-12/13	0.0000085	U	0.000040	0.0000085	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-14	0.0000075	U	0.000020	0.0000075	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-15	0.000011	U	0.000020	0.000011	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-16	0.0000010	U	0.000020	0.0000010	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-17	0.00000175	J q	0.000020	0.00000086	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-18/30	0.00000075	U	0.000040	0.00000075	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-19	0.00000079	U	0.000020	0.00000079	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-20/28	0.00000792	J	0.000040	0.00000041	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-21/33	0.00000036	U	0.000040	0.00000036	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-22	0.00000044	U	0.000020	0.00000044	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-23	0.00000038	U	0.000020	0.00000038	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-24	0.00000068	U	0.000020	0.00000068	mg/Kg		08/17/15 16:34	08/24/15 17:48	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83124/1-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83124

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-25	0.00000037	U	0.000020	0.00000037	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-26/29	0.00000040	U	0.000040	0.00000040	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-27	0.00000069	U	0.000020	0.00000069	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-31	0.00000117	J	0.000020	0.00000037	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-32	0.00000269	J	0.000020	0.00000062	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-34	0.00000042	U	0.000020	0.00000042	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-35	0.00000043	U	0.000020	0.00000043	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-36	0.00000040	U	0.000020	0.00000040	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-37	0.00000063	U	0.000020	0.00000063	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-38	0.00000043	U	0.000020	0.00000043	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-39	0.00000039	U	0.000020	0.00000039	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-40/71	0.000000659	J	0.000040	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-41	0.00000028	U	0.000020	0.00000028	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-42	0.000000437	J q	0.000020	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-43	0.00000026	U	0.000020	0.00000026	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-44/47/65	0.0000211	J	0.000060	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-45	0.00000029	U	0.000020	0.00000029	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-46	0.00000029	U	0.000020	0.00000029	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-48	0.00000023	U	0.000020	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-49/69	0.00000738	J	0.000040	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-50/53	0.00000197	J q	0.000040	0.00000025	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-51	0.00000700	J	0.000020	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-52	0.00000251	J	0.000020	0.00000026	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-54	0.000000559	J	0.000020	0.00000027	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-55	0.00000020	U	0.000020	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-56	0.00000025	U	0.000020	0.00000025	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-57	0.00000023	U	0.000020	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83124/1-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83124

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-58	0.00000023	U	0.000020	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-59/62/75	0.00000151	J	0.000060	0.00000018	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-60	0.00000022	U	0.000020	0.00000022	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-61/70/74/76	0.000000873	J q	0.000080	0.00000022	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-63	0.000000963	J	0.000020	0.00000022	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-64	0.00000016	U	0.000020	0.00000016	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-66	0.000000655	J	0.000020	0.00000026	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-67	0.00000021	U	0.000020	0.00000021	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-68	0.000000840	J	0.000020	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-72	0.00000022	U	0.000020	0.00000022	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-73	0.000000330	J q	0.000020	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-77	0.00000033	U	0.0000020	0.00000033	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-78	0.00000025	U	0.000020	0.00000025	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-79	0.00000024	U	0.000020	0.00000024	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-80	0.00000021	U	0.000020	0.00000021	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-81	0.00000031	U	0.0000020	0.00000031	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-82	0.00000029	U	0.000020	0.00000029	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-83	0.00000035	U	0.000020	0.00000035	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-84	0.000000527	J	0.000020	0.00000029	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-85/116/117	0.000000552	J q	0.000060	0.00000022	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-86/87/97/108/119/125	0.00000175	J	0.00012	0.00000022	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-88/91	0.00000102	J	0.000040	0.00000026	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-89	0.00000028	U	0.000020	0.00000028	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-90/101/113	0.00000344	J	0.000060	0.00000022	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-92	0.00000107	J	0.000020	0.00000027	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-93/100	0.00000129	J q	0.000040	0.00000026	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-107/124	0.00000020	U	0.000040	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83124/1-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83124

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-94	0.000000400	J q	0.000020	0.00000027	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-95	0.00000142	J	0.000020	0.00000027	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-96	0.000000088	U	0.000020	0.00000088	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-98/102	0.00000024	U	0.000040	0.00000024	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-99	0.000000740	J	0.000020	0.00000024	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-103	0.000000428	J	0.000020	0.00000024	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-104	0.000000088	J q	0.000020	0.00000082	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-105	0.000000633	J	0.0000020	0.00000024	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-106	0.00000022	U	0.000020	0.00000022	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-110/115	0.00000215	J	0.000040	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-109	0.00000020	U	0.000020	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-111	0.00000018	U	0.000020	0.00000018	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-112	0.00000018	U	0.000020	0.00000018	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-114	0.00000021	U	0.0000020	0.00000021	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-118	0.00000151	J	0.0000020	0.00000021	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-120	0.00000019	U	0.000020	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-121	0.00000019	U	0.000020	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-122	0.00000023	U	0.000020	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-123	0.00000020	U	0.0000020	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-126	0.00000031	U	0.0000020	0.00000031	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-127	0.00000024	U	0.000020	0.00000024	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-128/166	0.00000019	U	0.000040	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-129/138/163	0.00000195	J	0.000060	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-130	0.00000024	U	0.000020	0.00000024	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-131	0.00000023	U	0.000020	0.00000023	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-132	0.000000531	J q	0.000020	0.00000021	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-133	0.00000021	U	0.000020	0.00000021	mg/Kg		08/17/15 16:34	08/24/15 17:48	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83124/1-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83124

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-134/143	0.00000021	U	0.000040	0.00000021	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-135/151	0.000000541	J	0.000040	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-136	0.000000258	J	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-137	0.00000021	U	0.000020	0.00000021	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-139/140	0.00000019	U	0.000040	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-141	0.00000020	U	0.000020	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-142	0.00000020	U	0.000020	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-144	0.00000019	U	0.000020	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-145	0.00000014	U	0.000020	0.00000014	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-146	0.00000020	U	0.000020	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-147/149	0.00000157	J	0.000040	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-148	0.00000019	U	0.000020	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-150	0.00000013	U	0.000020	0.00000013	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-152	0.00000014	U	0.000020	0.00000014	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-153/168	0.000000982	J q	0.000040	0.00000016	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-154	0.00000017	U	0.000020	0.00000017	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-155	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-156/157	0.000000352	J	0.0000040	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-158	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-159	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-160	0.00000018	U	0.000020	0.00000018	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-161	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-162	0.00000014	U	0.000020	0.00000014	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-164	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-165	0.00000017	U	0.000020	0.00000017	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-167	0.00000013	U	0.0000020	0.00000013	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-169	0.00000022	U	0.0000020	0.00000022	mg/Kg		08/17/15 16:34	08/24/15 17:48	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83124/1-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83124

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-170	0.00000020	U	0.000020	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-171/173	0.00000017	U	0.000040	0.00000017	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-172	0.00000018	U	0.000020	0.00000018	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-174	0.00000016	U	0.000020	0.00000016	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-175	0.00000017	U	0.000020	0.00000017	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-176	0.00000011	U	0.000020	0.00000011	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-177	0.00000017	U	0.000020	0.00000017	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-178	0.00000017	U	0.000020	0.00000017	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-179	0.00000012	U	0.000020	0.00000012	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-180/193	0.000000505	J q	0.000040	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-181	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-182	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-183	0.00000025	U	0.000020	0.00000025	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-184	0.00000012	U	0.000020	0.00000012	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-185	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-186	0.00000012	U	0.000020	0.00000012	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-187	0.000000269	J	0.000020	0.00000016	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-188	0.00000013	U	0.000020	0.00000013	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-189	0.00000019	U	0.0000020	0.00000019	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-190	0.00000014	U	0.000020	0.00000014	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-191	0.00000013	U	0.000020	0.00000013	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-192	0.00000014	U	0.000020	0.00000014	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-194	0.00000017	U	0.000020	0.00000017	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-195	0.00000016	U	0.000020	0.00000016	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-196	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-197	0.000000096	U	0.000020	0.00000096	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-198/199	0.00000015	U	0.000040	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83124/1-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83124

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-200	0.000000098	U	0.000020	0.000000098	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-201	0.000000095	U	0.000020	0.000000095	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-202	0.000000099	U	0.000020	0.000000099	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-203	0.00000014	U	0.000020	0.00000014	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-204	0.000000099	U	0.000020	0.000000099	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-205	0.00000015	U	0.000020	0.00000015	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-206	0.00000020	U	0.000020	0.00000020	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-207	0.00000012	U	0.000020	0.00000012	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-208	0.00000014	U	0.000020	0.00000014	mg/Kg		08/17/15 16:34	08/24/15 17:48	1
PCB-209	0.00000017	U	0.000020	0.00000017	mg/Kg		08/17/15 16:34	08/24/15 17:48	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*51*		*5 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-3L	*57*		*5 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-4L	*52*		*5 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-15L	*65*		*5 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-19L	*68*		*5 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-37L	*63*		*5 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-54L	*56*		*5 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-77L	*78*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-81L	*82*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-104L	*59*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-105L	*79*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-114L	*78*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-118L	*82*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-123L	*78*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-126L	*79*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-155L	*71*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-156L/157L	*104*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-167L	*104*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-169L	*103*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-188L	*69*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-189L	*99*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-202L	*89*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-205L	*95*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-206L	*93*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-208L	*95*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*
PCB-209L	*81*		*10 - 145*	*08/17/15 16:34*	*08/24/15 17:48*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83124/1-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83124

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	67		5 - 145	08/17/15 16:34	08/24/15 17:48	1
PCB-111L	79		10 - 145	08/17/15 16:34	08/24/15 17:48	1
PCB-178L	80		10 - 145	08/17/15 16:34	08/24/15 17:48	1

Lab Sample ID: LCS 320-83124/2-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83124

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	0.000192		mg/Kg		96	60 - 135
PCB-4	0.000200	0.000207		mg/Kg		104	60 - 135
PCB-15	0.000200	0.000188		mg/Kg		94	60 - 135
PCB-19	0.000200	0.000195		mg/Kg		98	60 - 135
PCB-37	0.000200	0.000197		mg/Kg		98	60 - 135
PCB-54	0.000200	0.000203		mg/Kg		102	60 - 135
PCB-77	0.000200	0.000193		mg/Kg		96	60 - 135
PCB-81	0.000200	0.000193		mg/Kg		97	60 - 135
PCB-104	0.000200	0.000198		mg/Kg		99	60 - 135
PCB-105	0.000200	0.000195		mg/Kg		98	60 - 135
PCB-114	0.000200	0.000192		mg/Kg		96	60 - 135
PCB-118	0.000200	0.000197		mg/Kg		99	60 - 135
PCB-123	0.000200	0.000184		mg/Kg		92	60 - 135
PCB-126	0.000200	0.000184		mg/Kg		92	60 - 135
PCB-155	0.000200	0.000204		mg/Kg		102	60 - 135
PCB-156/157	0.000400	0.000382		mg/Kg		96	60 - 135
PCB-167	0.000200	0.000186		mg/Kg		93	60 - 135
PCB-169	0.000200	0.000187		mg/Kg		93	60 - 135
PCB-188	0.000200	0.000207		mg/Kg		104	60 - 135
PCB-189	0.000200	0.000189		mg/Kg		95	60 - 135
PCB-202	0.000200	0.000200		mg/Kg		100	60 - 135
PCB-205	0.000200	0.000192		mg/Kg		96	60 - 135
PCB-206	0.000200	0.000188		mg/Kg		94	60 - 135
PCB-208	0.000200	0.000193		mg/Kg		96	60 - 135
PCB-209	0.000200	0.000193		mg/Kg		97	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
PCB-1L	60		15 - 145
PCB-3L	68		15 - 145
PCB-4L	58		15 - 145
PCB-15L	75		15 - 145
PCB-19L	65		15 - 145
PCB-37L	69		15 - 145
PCB-54L	59		15 - 145
PCB-77L	87		40 - 145
PCB-81L	91		40 - 145
PCB-104L	63		40 - 145
PCB-105L	85		40 - 145

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-83124/2-A
Matrix: Solid
Analysis Batch: 83937

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83124

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-114L	*86*		*40 - 145*
PCB-118L	*88*		*40 - 145*
PCB-123L	*85*		*40 - 145*
PCB-126L	*88*		*40 - 145*
PCB-155L	*74*		*40 - 145*
PCB-156L/157L	*105*		*40 - 145*
PCB-167L	*103*		*40 - 145*
PCB-169L	*108*		*40 - 145*
PCB-188L	*64*		*40 - 145*
PCB-189L	*93*		*40 - 145*
PCB-202L	*80*		*40 - 145*
PCB-205L	*90*		*40 - 145*
PCB-206L	*86*		*40 - 145*
PCB-208L	*90*		*40 - 145*
PCB-209L	*78*		*40 - 145*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*76*		*5 - 145*
PCB-111L	*88*		*10 - 145*
PCB-178L	*77*		*10 - 145*

Lab Sample ID: MB 320-83158/1-A
Matrix: Water
Analysis Batch: 83443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83158

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.83	U	200	0.83	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-2	0.97	U	200	0.97	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-3	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-4	4.9	U	200	4.9	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-5	4.4	U	200	4.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-6	4.2	U	200	4.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-7	4.0	U	200	4.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-8	3.8	U	200	3.8	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-9	4.8	U	200	4.8	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-10	4.3	U	200	4.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-11	4.4	U	200	4.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-12/13	4.3	U	400	4.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-14	3.8	U	200	3.8	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-15	6.5	U	200	6.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-16	2.3	U	200	2.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-17	1.9	U	200	1.9	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-18/30	1.7	U	400	1.7	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-19	1.6	U	200	1.6	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-20/28	1.4	U	400	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-21/33	1.2	U	400	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-22	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-23	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83158/1-A
Matrix: Water
Analysis Batch: 83443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83158

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-24	1.5	U	200	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-25	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-26/29	1.3	U	400	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-27	1.5	U	200	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-31	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-32	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-34	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-35	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-36	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-37	2.5	U	200	2.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-38	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-39	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-40/71	0.94	U	400	0.94	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-41	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-42	0.93	U	200	0.93	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-43	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-44/47/65	2.32	J q	600	0.93	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-45	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-46	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-48	0.96	U	200	0.96	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-49/69	2.66	J	400	0.83	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-50/53	1.0	U	400	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-51	0.95	U	200	0.95	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-52	4.42	J q	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-54	0.75	U	200	0.75	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-55	1.0	U	200	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-56	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-57	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-58	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-59/62/75	0.73	U	600	0.73	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-60	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-61/70/74/76	1.82	J	800	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-63	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-64	0.66	U	200	0.66	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-66	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-67	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-68	1.0	U	200	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-72	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-73	0.79	U	200	0.79	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-77	2.0	U	20	2.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-78	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-79	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-80	1.0	U	200	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-81	1.8	U	20	1.8	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-82	1.6	U	200	1.6	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-83	1.9	U	200	1.9	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-84	1.6	U	200	1.6	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-85/116/117	1.2	U	600	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83158/1-A
Matrix: Water
Analysis Batch: 83443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83158

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-86/87/97/108/119/125	1.2	U	1200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-88/91	1.4	U	400	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-89	1.5	U	200	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-90/101/113	3.18	J q	600	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-92	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-93/100	1.4	U	400	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-107/124	1.1	U	400	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-94	1.5	U	200	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-95	2.63	J	200	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-96	0.58	U	200	0.58	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-98/102	1.3	U	400	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-99	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-103	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-104	0.45	U	200	0.45	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-105	1.3	U	20	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-106	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-110/115	2.96	J q	400	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-109	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-111	0.97	U	200	0.97	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-112	0.96	U	200	0.96	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-114	1.2	U	20	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-118	2.19	J	20	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-120	1.0	U	200	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-121	1.0	U	200	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-122	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-123	1.2	U	20	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-126	2.0	U	20	2.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-127	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-128/166	1.4	U	400	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-129/138/163	2.75	J q	600	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-130	1.7	U	200	1.7	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-131	1.6	U	200	1.6	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-132	1.5	U	200	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-133	1.5	U	200	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-134/143	1.5	U	400	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-135/151	1.4	U	400	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-136	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-137	1.5	U	200	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-139/140	1.3	U	400	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-141	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-142	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-144	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-145	1.0	U	200	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-146	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-147/149	2.61	J	400	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-148	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-150	0.94	U	200	0.94	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-152	1.0	U	200	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83158/1-A
Matrix: Water
Analysis Batch: 83443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83158

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-153/168	2.72	J	400	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-154	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-155	0.82	U	200	0.82	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-156/157	1.3	U	40	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-158	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-159	0.95	U	200	0.95	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-160	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-161	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-162	0.88	U	200	0.88	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-164	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-165	1.2	U	200	1.2	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-167	0.88	U	20	0.88	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-169	1.5	U	20	1.5	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-170	0.91	U	200	0.91	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-171/173	0.79	U	400	0.79	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-172	0.81	U	200	0.81	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-174	0.59	U	200	0.59	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-175	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-176	0.74	U	200	0.74	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-177	0.79	U	200	0.79	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-178	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-179	0.80	U	200	0.80	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-180/193	0.97	U	400	0.97	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-181	0.70	U	200	0.70	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-182	0.98	U	200	0.98	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-183	0.62	U	200	0.62	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-184	0.80	U	200	0.80	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-185	0.55	U	200	0.55	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-186	0.78	U	200	0.78	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-187	1.0	U	200	1.0	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-188	0.72	U	200	0.72	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-189	1.6	U	20	1.6	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-190	0.65	U	200	0.65	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-191	0.61	U	200	0.61	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-192	0.64	U	200	0.64	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-194	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-195	1.3	U	200	1.3	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-196	0.90	U	200	0.90	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-197	0.57	U	200	0.57	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-198/199	0.91	U	400	0.91	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-200	0.58	U	200	0.58	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-201	0.56	U	200	0.56	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-202	0.55	U	200	0.55	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-203	0.85	U	200	0.85	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-204	0.58	U	200	0.58	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-205	1.4	U	200	1.4	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-206	1.1	U	200	1.1	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-207	0.73	U	200	0.73	pg/L		08/18/15 08:41	08/20/15 03:31	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83158/1-A
Matrix: Water
Analysis Batch: 83443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83158

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-208	0.86	U	200	0.86	pg/L		08/18/15 08:41	08/20/15 03:31	1
PCB-209	2.04	J	200	0.89	pg/L		08/18/15 08:41	08/20/15 03:31	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*67*		*5 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-3L	*71*		*5 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-4L	*82*		*5 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-15L	*78*		*5 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-19L	*87*		*5 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-37L	*66*		*5 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-54L	*78*		*5 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-77L	*75*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-81L	*80*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-104L	*84*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-105L	*92*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-114L	*92*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-118L	*96*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-123L	*90*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-126L	*87*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-155L	*79*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-156L/157L	*84*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-167L	*83*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-169L	*80*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-188L	*99*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-189L	*87*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-202L	*107*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-205L	*97*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-206L	*105*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-208L	*100*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-209L	*108*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*79*		*5 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-111L	*92*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*
PCB-178L	*89*		*10 - 145*	*08/18/15 08:41*	*08/20/15 03:31*	*1*

Lab Sample ID: LCS 320-83158/2-A
Matrix: Water
Analysis Batch: 83443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	2000	1830		pg/L		91	60 - 135
PCB-3	2000	1840		pg/L		92	60 - 135
PCB-4	2000	1910		pg/L		95	60 - 135
PCB-15	2000	1760		pg/L		88	60 - 135
PCB-19	2000	1960		pg/L		98	60 - 135
PCB-37	2000	1850		pg/L		93	60 - 135
PCB-54	2000	2050		pg/L		103	60 - 135

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-83158/2-A
Matrix: Water
Analysis Batch: 83443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83158

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-77	2000	1910		pg/L		95	60 - 135
PCB-81	2000	1890		pg/L		95	60 - 135
PCB-104	2000	1860		pg/L		93	60 - 135
PCB-105	2000	1930		pg/L		96	60 - 135
PCB-114	2000	1920		pg/L		96	60 - 135
PCB-118	2000	1980		pg/L		99	60 - 135
PCB-123	2000	1870		pg/L		93	60 - 135
PCB-126	2000	1860		pg/L		93	60 - 135
PCB-155	2000	1910		pg/L		95	60 - 135
PCB-156/157	4000	3780		pg/L		95	60 - 135
PCB-167	2000	1840		pg/L		92	60 - 135
PCB-169	2000	1850		pg/L		92	60 - 135
PCB-188	2000	1930		pg/L		97	60 - 135
PCB-189	2000	1880		pg/L		94	60 - 135
PCB-202	2000	1990		pg/L		99	60 - 135
PCB-205	2000	1910		pg/L		95	60 - 135
PCB-206	2000	1890		pg/L		95	60 - 135
PCB-208	2000	1900		pg/L		95	60 - 135
PCB-209	2000	1910		pg/L		95	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*61*		*15 - 145*
PCB-3L	*67*		*15 - 145*
PCB-4L	*73*		*15 - 145*
PCB-15L	*74*		*15 - 145*
PCB-19L	*77*		*15 - 145*
PCB-37L	*70*		*15 - 145*
PCB-54L	*73*		*15 - 145*
PCB-77L	*88*		*40 - 145*
PCB-81L	*83*		*40 - 145*
PCB-104L	*83*		*40 - 145*
PCB-105L	*96*		*40 - 145*
PCB-114L	*94*		*40 - 145*
PCB-118L	*97*		*40 - 145*
PCB-123L	*93*		*40 - 145*
PCB-126L	*98*		*40 - 145*
PCB-155L	*78*		*40 - 145*
PCB-156L/157L	*89*		*40 - 145*
PCB-167L	*87*		*40 - 145*
PCB-169L	*97*		*40 - 145*
PCB-188L	*80*		*40 - 145*
PCB-189L	*86*		*40 - 145*
PCB-202L	*87*		*40 - 145*
PCB-205L	*97*		*40 - 145*
PCB-206L	*105*		*40 - 145*
PCB-208L	*90*		*40 - 145*
PCB-209L	*107*		*40 - 145*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-83158/2-A
Matrix: Water
Analysis Batch: 83443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83158

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*80*		*5 - 145*
PCB-111L	*90*		*10 - 145*
PCB-178L	*87*		*10 - 145*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-83133/1-A
Matrix: Solid
Analysis Batch: 84381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83133

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000000025	U	0.0000010	0.0000000 25	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
2,3,7,8-TCDF	0.000000024	U	0.0000010	0.0000000 24	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,7,8-PeCDD	0.000000029	U	0.0000050	0.0000000 29	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,7,8-PeCDF	0.000000022	U	0.0000050	0.0000000 22	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
2,3,4,7,8-PeCDF	0.000000023	U	0.0000050	0.0000000 23	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,4,7,8-HxCDD	0.000000021	U	0.0000050	0.0000000 21	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,6,7,8-HxCDD	0.000000019	U	0.0000050	0.0000000 19	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,7,8,9-HxCDD	0.000000017	U	0.0000050	0.0000000 17	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,4,7,8-HxCDF	0.000000018	U	0.0000050	0.0000000 18	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,6,7,8-HxCDF	0.000000015	U	0.0000050	0.0000000 15	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,7,8,9-HxCDF	0.000000018	U	0.0000050	0.0000000 18	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
2,3,4,6,7,8-HxCDF	0.000000017	U	0.0000050	0.0000000 17	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,4,6,7,8-HpCDD	0.000000042	U	0.0000050	0.0000000 42	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,4,6,7,8-HpCDF	0.000000023	U	0.0000050	0.0000000 23	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
1,2,3,4,7,8,9-HpCDF	0.000000014	U	0.0000050	0.0000000 14	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
OCDD	0.000000162	J q	0.000010	0.0000000 18	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
OCDF	0.000000032	J	0.000010	0.0000000 24	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
Total TCDD	0.000000025	U	0.0000010	0.0000000 25	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
Total TCDF	0.000000024	U	0.0000010	0.0000000 24	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
Total PeCDD	0.000000029	U	0.0000050	0.0000000 29	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
Total PeCDF	0.000000023	U	0.0000050	0.0000000 23	mg/Kg		08/17/15 16:58	08/27/15 05:54	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83133/1-A
Matrix: Solid
Analysis Batch: 84381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83133

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.000000021	U	0.0000050	0.0000000 21	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
Total HxCDF	0.000000018	U	0.0000050	0.0000000 18	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
Total HpCDD	0.000000104	J q	0.0000050	0.0000000 42	mg/Kg		08/17/15 16:58	08/27/15 05:54	1
Total HpCDF	0.000000023	U	0.0000050	0.0000000 23	mg/Kg		08/17/15 16:58	08/27/15 05:54	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*88*		*40 - 135*	*08/17/15 16:58*	*08/27/15 05:54*	*1*
13C-2,3,7,8-TCDF	*86*		*40 - 135*	*08/17/15 16:58*	*08/27/15 05:54*	*1*
13C-1,2,3,7,8-PeCDD	*96*		*40 - 135*	*08/17/15 16:58*	*08/27/15 05:54*	*1*
13C-1,2,3,7,8-PeCDF	*93*		*40 - 135*	*08/17/15 16:58*	*08/27/15 05:54*	*1*
13C-1,2,3,6,7,8-HxCDD	*86*		*40 - 135*	*08/17/15 16:58*	*08/27/15 05:54*	*1*
13C-1,2,3,4,7,8-HxCDF	*81*		*40 - 135*	*08/17/15 16:58*	*08/27/15 05:54*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*95*		*40 - 135*	*08/17/15 16:58*	*08/27/15 05:54*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*90*		*40 - 135*	*08/17/15 16:58*	*08/27/15 05:54*	*1*
13C-OCDD	*96*		*40 - 135*	*08/17/15 16:58*	*08/27/15 05:54*	*1*

Lab Sample ID: LCS 320-83133/2-A
Matrix: Solid
Analysis Batch: 84381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83133

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	0.0000200	0.0000202		mg/Kg		101	77 - 130
2,3,7,8-TCDF	0.0000200	0.0000203		mg/Kg		102	79 - 137
1,2,3,7,8-PeCDD	0.000100	0.000103		mg/Kg		103	79 - 134
1,2,3,7,8-PeCDF	0.000100	0.000105		mg/Kg		105	81 - 134
2,3,4,7,8-PeCDF	0.000100	0.000109		mg/Kg		109	76 - 132
1,2,3,4,7,8-HxCDD	0.000100	0.000100		mg/Kg		100	65 - 144
1,2,3,6,7,8-HxCDD	0.000100	0.0000971		mg/Kg		97	73 - 147
1,2,3,7,8,9-HxCDD	0.000100	0.000102		mg/Kg		102	80 - 143
1,2,3,4,7,8-HxCDF	0.000100	0.000107		mg/Kg		107	72 - 140
1,2,3,6,7,8-HxCDF	0.000100	0.000110		mg/Kg		110	63 - 152
1,2,3,7,8,9-HxCDF	0.000100	0.000114		mg/Kg		114	72 - 152
2,3,4,6,7,8-HxCDF	0.000100	0.000114		mg/Kg		114	72 - 151
1,2,3,4,6,7,8-HpCDD	0.000100	0.000103		mg/Kg		103	86 - 134
1,2,3,4,6,7,8-HpCDF	0.000100	0.000109		mg/Kg		109	81 - 137
1,2,3,4,7,8,9-HpCDF	0.000100	0.000110		mg/Kg		110	79 - 139
OCDD	0.000200	0.000207		mg/Kg		104	80 - 137
OCDF	0.000200	0.000208		mg/Kg		104	75 - 141

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*85*		*40 - 135*
13C-2,3,7,8-TCDF	*87*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*96*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*91*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*89*		*40 - 135*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-83133/2-A
Matrix: Solid
Analysis Batch: 84381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83133

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-1,2,3,4,7,8-HxCDF	80		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	91		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	86		40 - 135
13C-OCDD	94		40 - 135

Lab Sample ID: MB 320-83157/1-A
Matrix: Water
Analysis Batch: 83959

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83157

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.34	U	10	0.34	pg/L		08/18/15 08:37	08/24/15 12:11	1
2,3,7,8-TCDF	0.36	U	10	0.36	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,7,8-PeCDD	0.41	U	50	0.41	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,7,8-PeCDF	0.28	U	50	0.28	pg/L		08/18/15 08:37	08/24/15 12:11	1
2,3,4,7,8-PeCDF	0.29	U	50	0.29	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,4,7,8-HxCDD	0.40	U	50	0.40	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,6,7,8-HxCDD	0.34	U	50	0.34	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,7,8,9-HxCDD	0.32	U	50	0.32	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,4,7,8-HxCDF	0.31	U	50	0.31	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,6,7,8-HxCDF	0.27	U	50	0.27	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,7,8,9-HxCDF	0.33	U	50	0.33	pg/L		08/18/15 08:37	08/24/15 12:11	1
2,3,4,6,7,8-HxCDF	0.30	U	50	0.30	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,4,6,7,8-HpCDD	0.721	J q	50	0.41	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,4,6,7,8-HpCDF	0.22	U	50	0.22	pg/L		08/18/15 08:37	08/24/15 12:11	1
1,2,3,4,7,8,9-HpCDF	0.26	U	50	0.26	pg/L		08/18/15 08:37	08/24/15 12:11	1
OCDD	3.88	J	100	0.38	pg/L		08/18/15 08:37	08/24/15 12:11	1
OCDF	0.81	U	100	0.81	pg/L		08/18/15 08:37	08/24/15 12:11	1
Total TCDD	0.34	U	10	0.34	pg/L		08/18/15 08:37	08/24/15 12:11	1
Total TCDF	0.36	U	10	0.36	pg/L		08/18/15 08:37	08/24/15 12:11	1
Total PeCDD	0.41	U	50	0.41	pg/L		08/18/15 08:37	08/24/15 12:11	1
Total PeCDF	0.29	U	50	0.29	pg/L		08/18/15 08:37	08/24/15 12:11	1
Total HxCDD	0.40	U	50	0.40	pg/L		08/18/15 08:37	08/24/15 12:11	1
Total HxCDF	0.33	U	50	0.33	pg/L		08/18/15 08:37	08/24/15 12:11	1
Total HpCDD	1.25	J q	50	0.41	pg/L		08/18/15 08:37	08/24/15 12:11	1
Total HpCDF	0.26	U	50	0.26	pg/L		08/18/15 08:37	08/24/15 12:11	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-2,3,7,8-TCDD	86		40 - 135	08/18/15 08:37	08/24/15 12:11	1
13C-2,3,7,8-TCDF	84		40 - 135	08/18/15 08:37	08/24/15 12:11	1
13C-1,2,3,7,8-PeCDD	90		40 - 135	08/18/15 08:37	08/24/15 12:11	1
13C-1,2,3,7,8-PeCDF	89		40 - 135	08/18/15 08:37	08/24/15 12:11	1
13C-1,2,3,6,7,8-HxCDD	94		40 - 135	08/18/15 08:37	08/24/15 12:11	1
13C-1,2,3,4,7,8-HxCDF	80		40 - 135	08/18/15 08:37	08/24/15 12:11	1
13C-1,2,3,4,6,7,8-HpCDD	84		40 - 135	08/18/15 08:37	08/24/15 12:11	1
13C-1,2,3,4,6,7,8-HpCDF	83		40 - 135	08/18/15 08:37	08/24/15 12:11	1
13C-OCDD	79		40 - 135	08/18/15 08:37	08/24/15 12:11	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-83157/2-A
Matrix: Water
Analysis Batch: 83959

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	200	191		pg/L		95	64 - 142
2,3,7,8-TCDF	200	212		pg/L		106	71 - 142
1,2,3,7,8-PeCDD	1000	1030		pg/L		103	71 - 140
1,2,3,7,8-PeCDF	1000	1060		pg/L		106	76 - 135
2,3,4,7,8-PeCDF	1000	1070		pg/L		107	74 - 137
1,2,3,4,7,8-HxCDD	1000	925		pg/L		92	56 - 146
1,2,3,6,7,8-HxCDD	1000	1060		pg/L		106	73 - 144
1,2,3,7,8,9-HxCDD	1000	974		pg/L		97	71 - 151
1,2,3,4,7,8-HxCDF	1000	1130		pg/L		113	75 - 131
1,2,3,6,7,8-HxCDF	1000	1220		pg/L		122	76 - 133
1,2,3,7,8,9-HxCDF	1000	1140		pg/L		114	77 - 142
2,3,4,6,7,8-HxCDF	1000	1190		pg/L		119	80 - 137
1,2,3,4,6,7,8-HpCDD	1000	1000		pg/L		100	78 - 139
1,2,3,4,6,7,8-HpCDF	1000	1050		pg/L		105	79 - 133
1,2,3,4,7,8,9-HpCDF	1000	1040		pg/L		104	83 - 130
OCDD	2000	1880		pg/L		94	80 - 132
OCDF	2000	1950		pg/L		98	72 - 140

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*86*		*40 - 135*
13C-2,3,7,8-TCDF	*82*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*89*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*86*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*93*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*80*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*85*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*84*		*40 - 135*
13C-OCDD	*83*		*40 - 135*

Lab Sample ID: LCSD 320-83157/3-A
Matrix: Water
Analysis Batch: 83959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 83157

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,7,8-TCDD	200	193		pg/L		97	64 - 142	1	20
2,3,7,8-TCDF	200	200		pg/L		100	71 - 142	6	20
1,2,3,7,8-PeCDD	1000	1020		pg/L		102	71 - 140	1	20
1,2,3,7,8-PeCDF	1000	1030		pg/L		103	76 - 135	3	20
2,3,4,7,8-PeCDF	1000	1020		pg/L		102	74 - 137	5	20
1,2,3,4,7,8-HxCDD	1000	827		pg/L		83	56 - 146	11	20
1,2,3,6,7,8-HxCDD	1000	1010		pg/L		101	73 - 144	5	20
1,2,3,7,8,9-HxCDD	1000	923		pg/L		92	71 - 151	5	20
1,2,3,4,7,8-HxCDF	1000	1090		pg/L		109	75 - 131	4	20
1,2,3,6,7,8-HxCDF	1000	1170		pg/L		117	76 - 133	4	20
1,2,3,7,8,9-HxCDF	1000	1130		pg/L		113	77 - 142	1	20
2,3,4,6,7,8-HxCDF	1000	1180		pg/L		118	80 - 137	1	20
1,2,3,4,6,7,8-HpCDD	1000	1010		pg/L		101	78 - 139	1	20
1,2,3,4,6,7,8-HpCDF	1000	1050		pg/L		105	79 - 133	1	20

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: LCSD 320-83157/3-A
Matrix: Water
Analysis Batch: 83959

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 83157

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3,4,7,8,9-HpCDF			1000	1010		pg/L		101	83 - 130	3	20
OCDD			2000	1930		pg/L		96	80 - 132	3	20
OCDF			2000	1980		pg/L		99	72 - 140	2	20

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C-2,3,7,8-TCDD	*85*		*40 - 135*
13C-2,3,7,8-TCDF	*84*		*40 - 135*
13C-1,2,3,7,8-PeCDD	*87*		*40 - 135*
13C-1,2,3,7,8-PeCDF	*87*		*40 - 135*
13C-1,2,3,6,7,8-HxCDD	*92*		*40 - 135*
13C-1,2,3,4,7,8-HxCDF	*76*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDD	*80*		*40 - 135*
13C-1,2,3,4,6,7,8-HpCDF	*80*		*40 - 135*
13C-OCDD	*78*		*40 - 135*

Method: 9045D - pH

Lab Sample ID: LCS 680-396605/1
Matrix: Solid
Analysis Batch: 396605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	7.040		SU		101	79 - 126		

Lab Sample ID: 680-115653-17 DU
Matrix: Solid
Analysis Batch: 396605

Client Sample ID: SB-184 (0-2')
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	5.40			5.220		SU				3	40

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

GC/MS Semi VOA

Prep Batch: 397158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1	SB-206 (0-2')	Total/NA	Solid	3546	
680-115653-2	SB-205 (0-2')	Total/NA	Solid	3546	
680-115653-11	SB-161 (0-2')	Total/NA	Solid	3546	
680-115653-12	SB-163 (0-2')	Total/NA	Solid	3546	
680-115653-13	SB-162 (0-2')	Total/NA	Solid	3546	
680-115653-14	DUP-04 (0-2')	Total/NA	Solid	3546	
LCS 680-397158/11-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-397158/10-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 398363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-397158/11-A	Lab Control Sample	Total/NA	Solid	8270D LL	397158
MB 680-397158/10-A	Method Blank	Total/NA	Solid	8270D LL	397158

Analysis Batch: 398650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1	SB-206 (0-2')	Total/NA	Solid	8270D LL	397158
680-115653-2	SB-205 (0-2')	Total/NA	Solid	8270D LL	397158
680-115653-11	SB-161 (0-2')	Total/NA	Solid	8270D LL	397158
680-115653-12	SB-163 (0-2')	Total/NA	Solid	8270D LL	397158
680-115653-13	SB-162 (0-2')	Total/NA	Solid	8270D LL	397158
680-115653-14	DUP-04 (0-2')	Total/NA	Solid	8270D LL	397158

GC Semi VOA

Prep Batch: 396729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-10	EB-02 (081315)	Total/NA	Water	3520C	
LCS 680-396729/11-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-396729/12-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-396729/8-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 397162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1	SB-206 (0-2')	Total/NA	Solid	3546	
680-115653-1 MS	SB-206 (0-2')	Total/NA	Solid	3546	
680-115653-1 MSD	SB-206 (0-2')	Total/NA	Solid	3546	
680-115653-2	SB-205 (0-2')	Total/NA	Solid	3546	
680-115653-3	SB-201 (0-2')	Total/NA	Solid	3546	
680-115653-4	SB-201 (2-4")	Total/NA	Solid	3546	
680-115653-6	SB-204 (0-2')	Total/NA	Solid	3546	
680-115653-7	SB-207 (0-2')	Total/NA	Solid	3546	
680-115653-8	SB-200 (0-2')	Total/NA	Solid	3546	
680-115653-9	SB-200 (2-4')	Total/NA	Solid	3546	
680-115653-15	SB-203 (0-2')	Total/NA	Solid	3546	
680-115653-16	SB-202 (0-2')	Total/NA	Solid	3546	
LCS 680-397162/17-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-397162/16-A	Method Blank	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Analysis Batch: 397210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-10	EB-02 (081315)	Total/NA	Water	8081B/8082A	396729
LCS 680-396729/11-A	Lab Control Sample	Total/NA	Water	8081B/8082A	396729
LCSD 680-396729/12-A	Lab Control Sample Dup	Total/NA	Water	8081B/8082A	396729
MB 680-396729/8-A	Method Blank	Total/NA	Water	8081B/8082A	396729

Analysis Batch: 397526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1	SB-206 (0-2')	Total/NA	Solid	8081B/8082A	397162
680-115653-1 MS	SB-206 (0-2')	Total/NA	Solid	8081B/8082A	397162
680-115653-1 MSD	SB-206 (0-2')	Total/NA	Solid	8081B/8082A	397162
680-115653-2	SB-205 (0-2')	Total/NA	Solid	8081B/8082A	397162
680-115653-3	SB-201 (0-2')	Total/NA	Solid	8081B/8082A	397162
680-115653-4	SB-201 (2-4")	Total/NA	Solid	8081B/8082A	397162
680-115653-6	SB-204 (0-2')	Total/NA	Solid	8081B/8082A	397162
680-115653-7	SB-207 (0-2')	Total/NA	Solid	8081B/8082A	397162
680-115653-8	SB-200 (0-2')	Total/NA	Solid	8081B/8082A	397162
680-115653-9	SB-200 (2-4')	Total/NA	Solid	8081B/8082A	397162
680-115653-15	SB-203 (0-2')	Total/NA	Solid	8081B/8082A	397162
680-115653-16	SB-202 (0-2')	Total/NA	Solid	8081B/8082A	397162
LCS 680-397162/17-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	397162
MB 680-397162/16-A	Method Blank	Total/NA	Solid	8081B/8082A	397162

Analysis Batch: 397596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-6	SB-204 (0-2')	Total/NA	Solid	8081B/8082A	397162

Specialty Organics

Prep Batch: 83124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1	SB-206 (0-2')	Total/NA	Solid	HRMS-Sox	
680-115653-2	SB-205 (0-2')	Total/NA	Solid	HRMS-Sox	
680-115653-3	SB-201 (0-2')	Total/NA	Solid	HRMS-Sox	
680-115653-4	SB-201 (2-4")	Total/NA	Solid	HRMS-Sox	
680-115653-6	SB-204 (0-2')	Total/NA	Solid	HRMS-Sox	
680-115653-7	SB-207 (0-2')	Total/NA	Solid	HRMS-Sox	
680-115653-8	SB-200 (0-2')	Total/NA	Solid	HRMS-Sox	
680-115653-9	SB-200 (2-4')	Total/NA	Solid	HRMS-Sox	
680-115653-15	SB-203 (0-2')	Total/NA	Solid	HRMS-Sox	
680-115653-16	SB-202 (0-2')	Total/NA	Solid	HRMS-Sox	
LCS 320-83124/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	
MB 320-83124/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	

Prep Batch: 83133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1	SB-206 (0-2')	Total/NA	Solid	8290	
680-115653-1 - RA	SB-206 (0-2')	Total/NA	Solid	8290	
680-115653-2	SB-205 (0-2')	Total/NA	Solid	8290	
680-115653-2 - RA	SB-205 (0-2')	Total/NA	Solid	8290	
680-115653-3	SB-201 (0-2')	Total/NA	Solid	8290	

Specialty Organics (Continued)

Prep Batch: 83133 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-3 - RA	SB-201 (0-2')	Total/NA	Solid	8290	
680-115653-4	SB-201 (2-4")	Total/NA	Solid	8290	
680-115653-6	SB-204 (0-2')	Total/NA	Solid	8290	
680-115653-6 - RA	SB-204 (0-2')	Total/NA	Solid	8290	
680-115653-7	SB-207 (0-2')	Total/NA	Solid	8290	
680-115653-8	SB-200 (0-2')	Total/NA	Solid	8290	
680-115653-9	SB-200 (2-4')	Total/NA	Solid	8290	
680-115653-15	SB-203 (0-2')	Total/NA	Solid	8290	
680-115653-16	SB-202 (0-2')	Total/NA	Solid	8290	
680-115653-16 - RA	SB-202 (0-2')	Total/NA	Solid	8290	
LCS 320-83133/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	
MB 320-83133/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	

Prep Batch: 83157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-10	EB-02 (081315)	Total/NA	Water	8290	
LCS 320-83157/2-A	Lab Control Sample	Total/NA	Water	8290	
LCSD 320-83157/3-A	Lab Control Sample Dup	Total/NA	Water	8290	
MB 320-83157/1-A	Method Blank	Total/NA	Water	8290	

Prep Batch: 83158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-10	EB-02 (081315)	Total/NA	Water	HRMS-Sep	
LCS 320-83158/2-A	Lab Control Sample	Total/NA	Water	HRMS-Sep	
MB 320-83158/1-A	Method Blank	Total/NA	Water	HRMS-Sep	

Analysis Batch: 83443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-10	EB-02 (081315)	Total/NA	Water	1668C	83158
LCS 320-83158/2-A	Lab Control Sample	Total/NA	Water	1668C	83158
MB 320-83158/1-A	Method Blank	Total/NA	Water	1668C	83158

Analysis Batch: 83937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1	SB-206 (0-2')	Total/NA	Solid	1668C	83124
680-115653-2	SB-205 (0-2')	Total/NA	Solid	1668C	83124
LCS 320-83124/2-A	Lab Control Sample	Total/NA	Solid	1668C	83124
MB 320-83124/1-A	Method Blank	Total/NA	Solid	1668C	83124

Analysis Batch: 83938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-4	SB-201 (2-4")	Total/NA	Solid	1668C	83124
680-115653-9	SB-200 (2-4')	Total/NA	Solid	1668C	83124

Analysis Batch: 83959

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-10	EB-02 (081315)	Total/NA	Water	8290A	83157
LCS 320-83157/2-A	Lab Control Sample	Total/NA	Water	8290A	83157
LCSD 320-83157/3-A	Lab Control Sample Dup	Total/NA	Water	8290A	83157
MB 320-83157/1-A	Method Blank	Total/NA	Water	8290A	83157

Specialty Organics (Continued)

Analysis Batch: 84088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-3	SB-201 (0-2')	Total/NA	Solid	1668C	83124
680-115653-6	SB-204 (0-2')	Total/NA	Solid	1668C	83124
680-115653-7	SB-207 (0-2')	Total/NA	Solid	1668C	83124
680-115653-8	SB-200 (0-2')	Total/NA	Solid	1668C	83124
680-115653-15	SB-203 (0-2')	Total/NA	Solid	1668C	83124
680-115653-16	SB-202 (0-2')	Total/NA	Solid	1668C	83124

Analysis Batch: 84376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1	SB-206 (0-2')	Total/NA	Solid	8290A	83133
680-115653-2	SB-205 (0-2')	Total/NA	Solid	8290A	83133

Analysis Batch: 84381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-3	SB-201 (0-2')	Total/NA	Solid	8290A	83133
680-115653-4	SB-201 (2-4")	Total/NA	Solid	8290A	83133
680-115653-6	SB-204 (0-2')	Total/NA	Solid	8290A	83133
680-115653-7	SB-207 (0-2')	Total/NA	Solid	8290A	83133
680-115653-8	SB-200 (0-2')	Total/NA	Solid	8290A	83133
680-115653-9	SB-200 (2-4')	Total/NA	Solid	8290A	83133
680-115653-15	SB-203 (0-2')	Total/NA	Solid	8290A	83133
LCS 320-83133/2-A	Lab Control Sample	Total/NA	Solid	8290A	83133
MB 320-83133/1-A	Method Blank	Total/NA	Solid	8290A	83133

Analysis Batch: 84740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-16	SB-202 (0-2')	Total/NA	Solid	8290A	83133

Analysis Batch: 84834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1 - RA	SB-206 (0-2')	Total/NA	Solid	8290A	83133
680-115653-2 - RA	SB-205 (0-2')	Total/NA	Solid	8290A	83133
680-115653-3 - RA	SB-201 (0-2')	Total/NA	Solid	8290A	83133
680-115653-6 - RA	SB-204 (0-2')	Total/NA	Solid	8290A	83133

Analysis Batch: 85229

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-16 - RA	SB-202 (0-2')	Total/NA	Solid	8290A	83133

Analysis Batch: 85808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-1	SB-206 (0-2')	Total/NA	Solid	None	
680-115653-2	SB-205 (0-2')	Total/NA	Solid	None	
680-115653-3	SB-201 (0-2')	Total/NA	Solid	None	
680-115653-4	SB-201 (2-4")	Total/NA	Solid	None	
680-115653-6	SB-204 (0-2')	Total/NA	Solid	None	
680-115653-7	SB-207 (0-2')	Total/NA	Solid	None	
680-115653-8	SB-200 (0-2')	Total/NA	Solid	None	
680-115653-9	SB-200 (2-4')	Total/NA	Solid	None	
680-115653-10	EB-02 (081315)	Total/NA	Water	None	
680-115653-15	SB-203 (0-2')	Total/NA	Solid	None	

Specialty Organics (Continued)

Analysis Batch: 85808 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-16	SB-202 (0-2')	Total/NA	Solid	None	

General Chemistry

Analysis Batch: 396605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115653-17	SB-184 (0-2')	Total/NA	Solid	9045D	
680-115653-17 DU	SB-184 (0-2')	Total/NA	Solid	9045D	
680-115653-18	SB-185 (0-2')	Total/NA	Solid	9045D	
680-115653-19	SB-183 (0-2')	Total/NA	Solid	9045D	
680-115653-20	SB-182 (0-2')	Total/NA	Solid	9045D	
LCS 680-396605/1	Lab Control Sample	Total/NA	Solid	9045D	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-206 (0-2')
Date Collected: 08/13/15 14:35
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-1
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			85808	09/11/15 17:37	MKW	TAL SAC

Client Sample ID: SB-206 (0-2')
Date Collected: 08/13/15 14:35
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-1
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.98 g	1 mL	397158	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8270D LL		5	29.98 g	1 mL	398650	08/28/15 22:55	NED	TAL SAV
Total/NA	Prep	3546			15.02 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.02 g	10 mL	397526	08/21/15 22:26	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.17 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		1	20.17 g	40 uL	83937	08/24/15 20:18	KSS	TAL SAC
Total/NA	Prep	8290			20.17 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.17 g	40 uL	84376	08/27/15 01:27	ALM	TAL SAC
Total/NA	Prep	8290	RA		20.17 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A	RA	1	20.17 g	40 uL	84834	09/01/15 16:41	ALM	TAL SAC

Client Sample ID: SB-205 (0-2')
Date Collected: 08/13/15 15:10
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-2
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			85808	09/11/15 17:37	MKW	TAL SAC

Client Sample ID: SB-205 (0-2')
Date Collected: 08/13/15 15:10
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-2
Matrix: Solid
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			29.97 g	1 mL	397158	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	29.97 g	1 mL	398650	08/28/15 23:24	NED	TAL SAV
Total/NA	Prep	3546			15.26 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.26 g	10 mL	397526	08/21/15 22:41	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.07 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		1	20.07 g	40 uL	83937	08/24/15 21:33	KSS	TAL SAC
Total/NA	Prep	8290			20.07 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.07 g	40 uL	84376	08/27/15 02:08	ALM	TAL SAC
Total/NA	Prep	8290	RA		20.07 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A	RA	1	20.07 g	40 uL	84834	09/01/15 17:19	ALM	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-201 (0-2')
Date Collected: 08/13/15 16:00
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-3
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			85808	09/11/15 17:37	MKW	TAL SAC

Client Sample ID: SB-201 (0-2')
Date Collected: 08/13/15 16:00
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-3
Matrix: Solid
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			15.36 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.36 g	10 mL	397526	08/21/15 22:55	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			19.88 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		20	19.88 g	40 uL	84088	08/25/15 23:50	KSS	TAL SAC
Total/NA	Prep	8290			19.88 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		1	19.88 g	40 uL	84381	08/27/15 07:18	ALM	TAL SAC
Total/NA	Prep	8290	RA		19.88 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A	RA	1	19.88 g	40 uL	84834	09/01/15 17:56	ALM	TAL SAC

Client Sample ID: SB-201 (2-4")
Date Collected: 08/13/15 16:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-4
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	None		1			85808	09/11/15 17:37	MKW	TAL SAC

Client Sample ID: SB-201 (2-4")
Date Collected: 08/13/15 16:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-4
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.04 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.04 g	10 mL	397526	08/21/15 23:09	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.02 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		1	20.02 g	40 uL	83938	08/25/15 14:24	KSS	TAL SAC
Total/NA	Prep	8290			20.02 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.02 g	40 uL	84381	08/27/15 07:59	ALM	TAL SAC

Client Sample ID: SB-204 (0-2')
Date Collected: 08/13/15 13:20
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-6
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			85808	09/11/15 17:37	MKW	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-204 (0-2')

Lab Sample ID: 680-115653-6
Date Collected: 08/13/15 13:20
Matrix: Solid
Date Received: 08/14/15 13:35
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			15.24 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.24 g	10 mL	397526	08/21/15 23:23	JCK	TAL SAV
Total/NA	Prep	3546			15.24 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		10	15.24 g	10 mL	397596	08/22/15 16:15	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			19.71 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		20	19.71 g	40 uL	84088	08/26/15 01:05	KSS	TAL SAC
Total/NA	Prep	8290			19.71 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		1	19.71 g	40 uL	84381	08/27/15 08:41	ALM	TAL SAC
Total/NA	Prep	8290	RA		19.71 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A	RA	1	19.71 g	40 uL	84834	09/01/15 18:33	ALM	TAL SAC

Client Sample ID: SB-207 (0-2')

Lab Sample ID: 680-115653-7
Date Collected: 08/13/15 14:40
Matrix: Solid
Date Received: 08/14/15 13:35

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			85808	09/11/15 17:37	MKW	TAL SAC

Client Sample ID: SB-207 (0-2')

Lab Sample ID: 680-115653-7
Date Collected: 08/13/15 14:40
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.06 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.06 g	10 mL	397526	08/21/15 23:38	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.16 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		20	20.16 g	40 uL	84088	08/26/15 02:21	KSS	TAL SAC
Total/NA	Prep	8290			20.16 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.16 g	40 uL	84381	08/27/15 09:23	ALM	TAL SAC

Client Sample ID: SB-200 (0-2')

Lab Sample ID: 680-115653-8
Date Collected: 08/13/15 16:45
Matrix: Solid
Date Received: 08/14/15 13:35

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			85808	09/11/15 17:37	MKW	TAL SAC

Client Sample ID: SB-200 (0-2')

Lab Sample ID: 680-115653-8
Date Collected: 08/13/15 16:45
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.40 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-200 (0-2')

Lab Sample ID: 680-115653-8
Date Collected: 08/13/15 16:45
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 81.8

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		1	15.40 g	10 mL	397526	08/21/15 23:52	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			19.93 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		20	19.93 g	40 uL	84088	08/25/15 21:20	KSS	TAL SAC
Total/NA	Prep	8290			19.93 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		1	19.93 g	40 uL	84381	08/27/15 10:05	ALM	TAL SAC

Client Sample ID: SB-200 (2-4')

Lab Sample ID: 680-115653-9
Date Collected: 08/13/15 16:50
Matrix: Solid
Date Received: 08/14/15 13:35

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			85808	09/11/15 17:37	MKW	TAL SAC

Client Sample ID: SB-200 (2-4')

Lab Sample ID: 680-115653-9
Date Collected: 08/13/15 16:50
Matrix: Solid
Date Received: 08/14/15 13:35
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			15.29 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.29 g	10 mL	397526	08/22/15 00:06	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.24 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		10	20.24 g	40 uL	83938	08/25/15 15:39	KSS	TAL SAC
Total/NA	Prep	8290			20.24 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.24 g	40 uL	84381	08/27/15 10:46	ALM	TAL SAC

Client Sample ID: EB-02 (081315)

Lab Sample ID: 680-115653-10
Date Collected: 08/13/15 17:00
Matrix: Water
Date Received: 08/14/15 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3520C			252.2 mL	2.5 mL	396729	08/18/15 09:43	RBS	TAL SAV
Total/NA	Analysis	8081B/8082A		1	252.2 mL	2.5 mL	397210	08/20/15 18:11	JCK	TAL SAV
Total/NA	Prep	HRMS-Sep			1049.6 mL	20 uL	83158	08/18/15 08:41	DXD	TAL SAC
Total/NA	Analysis	1668C		1	1049.6 mL	20 uL	83443	08/20/15 07:17	KSS	TAL SAC
Total/NA	Prep	8290			1034 mL	20 uL	83157	08/18/15 08:37	DXD	TAL SAC
Total/NA	Analysis	8290A		1	1034 mL	20 uL	83959	08/24/15 15:39	ALM	TAL SAC
Total/NA	Analysis	None		1			85808	09/11/15 17:37	MKW	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-161 (0-2')
Lab Sample ID: 680-115653-11
Date Collected: 08/13/15 18:20
Matrix: Solid
Date Received: 08/14/15 13:35
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			29.94 g	1 mL	397158	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8270D LL		5	29.94 g	1 mL	398650	08/28/15 23:53	NED	TAL SAV

Client Sample ID: SB-163 (0-2')
Lab Sample ID: 680-115653-12
Date Collected: 08/13/15 19:00
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.03 g	1 mL	397158	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8270D LL		5	30.03 g	1 mL	398650	08/29/15 00:22	NED	TAL SAV

Client Sample ID: SB-162 (0-2')
Lab Sample ID: 680-115653-13
Date Collected: 08/13/15 19:45
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.14 g	1 mL	397158	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8270D LL		5	30.14 g	1 mL	398650	08/29/15 00:51	NED	TAL SAV

Client Sample ID: DUP-04 (0-2')
Lab Sample ID: 680-115653-14
Date Collected: 08/13/15 00:00
Matrix: Solid
Date Received: 08/14/15 13:35
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			30.21 g	1 mL	397158	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8270D LL		5	30.21 g	1 mL	398650	08/29/15 01:20	NED	TAL SAV

Client Sample ID: SB-203 (0-2')
Lab Sample ID: 680-115653-15
Date Collected: 08/14/15 10:15
Matrix: Solid
Date Received: 08/14/15 13:35

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			85808	09/11/15 17:37	MKW	TAL SAC

Client Sample ID: SB-203 (0-2')
Lab Sample ID: 680-115653-15
Date Collected: 08/14/15 10:15
Matrix: Solid
Date Received: 08/14/15 13:35
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.11 g	10 mL	397526	08/22/15 00:20	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.22 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		20	20.22 g	40 uL	84088	08/25/15 22:35	KSS	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			20.22 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.22 g	40 uL	84381	08/27/15 11:28	ALM	TAL SAC

Client Sample ID: SB-202 (0-2') — Lab Sample ID: 680-115653-16

Date Collected: 08/14/15 11:05 — **Matrix: Solid**
Date Received: 08/14/15 13:35

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			85808	09/11/15 17:37	MKW	TAL SAC

Client Sample ID: SB-202 (0-2') — Lab Sample ID: 680-115653-16

Date Collected: 08/14/15 11:05 — **Matrix: Solid**
Date Received: 08/14/15 13:35 — **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			15.20 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		10	15.20 g	10 mL	397526	08/22/15 00:35	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			20.07 g	40 uL	83124	08/17/15 16:34	GDB	TAL SAC
Total/NA	Analysis	1668C		20	20.07 g	40 uL	84088	08/26/15 03:36	KSS	TAL SAC
Total/NA	Prep	8290			20.07 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A		5	20.07 g	40 uL	84740	09/01/15 01:13	SMA	TAL SAC
Total/NA	Prep	8290	RA		20.07 g	40 uL	83133	08/17/15 16:58	GDB	TAL SAC
Total/NA	Analysis	8290A	RA	5	20.07 g	40 uL	85229	09/04/15 19:48	ALM	TAL SAC

Client Sample ID: SB-184 (0-2') — Lab Sample ID: 680-115653-17

Date Collected: 08/14/15 12:10 — **Matrix: Solid**
Date Received: 08/14/15 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	20 mL	20 mL	396605	08/17/15 14:45	JJW	TAL SAV

Client Sample ID: SB-185 (0-2') — Lab Sample ID: 680-115653-18

Date Collected: 08/14/15 12:40 — **Matrix: Solid**
Date Received: 08/14/15 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	20 mL	20 mL	396605	08/17/15 14:45	JJW	TAL SAV

Client Sample ID: SB-183 (0-2') — Lab Sample ID: 680-115653-19

Date Collected: 08/14/15 13:00 — **Matrix: Solid**
Date Received: 08/14/15 13:35

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045D		1	20 mL	20 mL	396605	08/17/15 14:45	JJW	TAL SAV

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Client Sample ID: SB-182 (0-2')

Date Collected: 08/14/15 13:15
Date Received: 08/14/15 13:35

Lab Sample ID: 680-115653-20

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	9045D		1	20 mL	20 mL	396605	08/17/15 14:45	JJW	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 (912) 352-0165

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: JUSTIN RADFORD	Lab PM: Smith, Kathryn E	Carrier Tracking No(s):
Client Contact: Mr. David Wilderman, P.G.	Phone: 678-314-4358	E-Mail: kathy.smith@testamericainc.com	
Company: ARCADIS U.S., Inc.			
Address: 2410 Paces Ferry Road Suite 400	Due Date Requested:		
City: Atlanta	TAT Requested (days): STANDARD		
State, Zip: GA, 30339			
Phone: 770-428-9009(Tel)	PO #: 4501696543		
Email: dwilderman@arcadis-us.com	WO #:		
Project Name: Hercules Savannah	Project #: 68001205		
Site:	SSOW#:		

COC No: 680-66644-28572.5
Page: Page 5 of 6
Job #:

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 - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

680-115653

Special Instructions/Note:

Sample Identification	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)	8270D - (MOD) 1,1-Biphenyl Only	1668C - Full List (209 Comb/Coel)	8081B_8082A - (MOD) Appendix 9	8270D_LL - (MOD) Custom Sublist	1668C, 8290A	8081B_8082A - (MOD) Routine PCBs	8270D, Aniline only	Total Number of containers
			Preservation Code:				N	N	N	N	N	N		
SB-206 (0-2)	8-13-15	1435	G	Solid	N	N					X	X	X	
SB-205 (0-2)	8-13-15	1510	G	Solid	N	N					X	X	X	
SB-201 (0-2)	8-13-15	1600	G	Solid	N	N					X	X		
SB-201 (2-4)	8-13-15	1620	G	Solid	N	N					X	X		
EB-01 (081115)	8-11-15	1220	G	W ~~Solid~~	N	N				X				
SB-204 (0-2')	8/13/15	1320	G	Solid	N	N					X	X	X	
SB-207 (0-2')	8/13/15	1440	G	Solid	N	N					X	X	X	
SB-200 (0-2')	8/13/15	1645	G	Solid	N	N					X	X		
SB-200 (2-4')	8/13/15	1650	G	Solid	N	N					X	X		
EB-02 (081315)	8/13/15	1700	G	W ~~Solid~~	N	N					X	X		
SB-161 (0-2')	8/13/15	1820	G	Solid	N	N X								

5.4C/5.8C
4.8C/5.2C

Possible Hazard Identification
☒ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☒ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 8/14/15 1320	Company	Received by:	Date/Time: 08/14/15 1335	Company
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:

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	Sampler: JUSTIN RADFORD	Lab PM: Smith, Kathryn E	Carrier Tracking No(s):	COC No: 680-66644-28572.3
Client Contact: Mr. David Wilderman, P.G.	Phone: 678-314-4358	E-Mail: kathy.smith@testamericainc.com		Page: Page 3 of 6
Company: ARCADIS U.S., Inc.				Job #:
Address: 2410 Paces Ferry Road Suite 400	Due Date Requested:			
City: Atlanta	TAT Requested (days): STANDARD			
State, Zip: GA, 30339				
Phone: 770-428-9009(Tel)	PO #: 4501696543			
Email: dwilderman@arcadis-us.com	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 - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

680-115653

Sample Identification	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)	8270D - (MOD) 1,1-Biphenyl Only	1668C - Full List (209 Comb/Coel)	8081B_8082A - (MOD) Appendix 9	8270D_LL - (MOD) Custom Sublist	1668C, 8290A	8081B_8082A - (MOD) Routine PCBs	8270D ANILINE ONLY	PH						Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N									
SB-163(0-2')	8/13/15	1900	G	Solid	N	N	X														
SB-162(0-2')	8/13/15	1945	G	Solid	N	N	X														
DUP-04(0-2')	8/13/15	—	G	Solid	N	N	X														
SB-203(0-2')	8/14/15	1015	G	Solid	N	N					X	X									
SB-202(0-2')	8/14/15	1105	G	Solid	N	N					X	X									5.4c / 5.8c
SB-184(0-2')	8/14/15	1210	G	Solid	N	N								X							4.3c / 5.2c
SB-185(0-2')	8/14/15	1240	G	Solid	N	N								X							
SB-183(0-2')	8/14/15	1300	G	Solid	N	N								X							
SB-182(0-2')	8/14/15	1315	G	Solid	N	N								X							
				Solid																	
				Solid																	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by:	Date/Time: 8/14/ 1320	Company	Received by:	Date/Time: 08/14/15 1331	Company
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:

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-115653-1

Login Number: 115653
List Number: 1
Creator: Barnett, Eddie T

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.	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: 680-115653-1

Login Number: 115653
List Number: 2
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 08/15/15 12:28 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	
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.	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: 680-115653-1

Login Number: 115653
List Number: 3
Creator: Hytrek, Cheryl

List Source: TestAmerica Sacramento
List Creation: 08/15/15 12:29 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	
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.	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.	False	

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-17
A2LA	ISO/IEC 17025		399.01	02-28-17
Alabama	State Program	4	41450	06-30-16
Alaska (UST)	State Program	10	UST-104	11-05-16
Arkansas DEQ	State Program	6	88-0692	01-31-16 *
California	State Program	9	2939	07-31-16
Colorado	State Program	8	N/A	12-31-16
Connecticut	State Program	1	PH-0161	03-31-17
Florida	NELAP	4	E87052	06-30-16
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	803	06-30-16
Guam	State Program	9	14-004r	04-16-16
Hawaii	State Program	9	N/A	06-30-16
Illinois	NELAP	5	200022	11-30-16
Indiana	State Program	5	N/A	06-30-16
Iowa	State Program	7	353	06-30-17
Kentucky (DW)	State Program	4	90084	12-31-16
Kentucky (UST)	State Program	4	18	06-30-16
Kentucky (WW)	State Program	4	90084	12-31-15 *
Louisiana	NELAP	6	30690	06-30-16
Louisiana (DW)	NELAP	6	LA160019	12-31-16
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-16
Massachusetts	State Program	1	M-GA006	06-30-16
Michigan	State Program	5	9925	03-05-16
Mississippi	State Program	4	N/A	06-30-16
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-16
New Jersey	NELAP	2	GA769	06-30-16
New Mexico	State Program	6	N/A	06-30-16
New York	NELAP	2	10842	03-31-16
North Carolina (DW)	State Program	4	13701	07-31-16
North Carolina (WW/SW)	State Program	4	269	12-31-16
Oklahoma	State Program	6	9984	08-31-16
Pennsylvania	NELAP	3	68-00474	06-30-16
Puerto Rico	State Program	2	GA00006	12-31-16
South Carolina	State Program	4	98001	06-30-16
Tennessee	State Program	4	TN02961	06-30-16
Texas	NELAP	6	T104704185-14-7	11-30-16
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-16
Washington	State Program	10	C805	06-10-16
West Virginia (DW)	State Program	3	9950C	12-31-15 *
West Virginia DEP	State Program	3	094	06-30-16
Wisconsin	State Program	5	999819810	08-31-16
Wyoming	State Program	8	8TMS-L	06-30-16

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

* Certification renewal pending - certification considered valid.

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115653-1

Laboratory: TestAmerica Sacramento (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-16
Arizona	State Program	9	AZ0708	08-11-16
Arkansas DEQ	State Program	6	88-0691	06-17-16
California	State Program	9	2897	01-31-16
Colorado	State Program	8	N/A	08-31-16
Connecticut	State Program	1	PH-0691	06-30-17
Florida	NELAP	4	E87570	06-30-16
Hawaii	State Program	9	N/A	01-31-17
Illinois	NELAP	5	200060	03-17-16
Kansas	NELAP	7	E-10375	01-31-16
Louisiana	NELAP	6	30612	06-30-16
Michigan	State Program	5	9947	01-31-16
Nevada	State Program	9	CA44	07-31-16
New Jersey	NELAP	2	CA005	06-30-16
New York	NELAP	2	11666	04-01-16
Oregon	NELAP	10	CA200005	01-29-16
Pennsylvania	NELAP	3	9947	03-31-16
Texas	NELAP	6	T104704399-15-9	05-31-16
US Fish & Wildlife	Federal		LE148388-0	02-28-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-16
Virginia	NELAP Secondary AB	3	460278	03-14-16
Washington	State Program	10	C581	05-04-16
West Virginia (DW)	State Program	3	9930C	12-31-15 *
Wyoming	State Program	8	8TMS-Q	01-29-16

* Certification renewal pending - 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: 680-115695-1
Client Project/Site: Hercules Savannah

For:
ARCADIS U.S., Inc.
2410 Paces Ferry Road
Suite 400
Atlanta, Georgia 30339

Attn: Chris Miller

Kathryn Smith

Authorized for release by:
9/15/2015 10:02:08 AM

Kathryn Smith, Project Manager II
(912)354-7858
kathy.smith@testamericainc.com

LINKS

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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.

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.
J	Result is less than the RL but greater than or equal to the MDL 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.
X	Surrogate is outside control limits

Dioxin

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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.
*	Isotope Dilution analyte is outside acceptance limits.
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.
E	Result exceeded calibration range.
G	The reported quantitation limit has been raised due to an exhibited elevated noise or matrix interference
I	Ion Ratio outside of limits, value is EMPC.

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

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
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
9045D	pH	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.
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

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

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-115695-1	SB-181(0-2')	Solid	08/14/15 13:55	08/15/15 08:25
680-115695-2	SB-208(0-2')	Solid	08/14/15 14:55	08/15/15 08:25
680-115695-3	SB-208(2-4')	Solid	08/14/15 15:00	08/15/15 08:25
680-115695-4	SB-209(0-2')	Solid	08/14/15 15:30	08/15/15 08:25
680-115695-5	SB-169(0-2')	Solid	08/14/15 16:10	08/15/15 08:25
680-115695-6	SB-169(2-4')	Solid	08/14/15 16:15	08/15/15 08:25
680-115695-7	SB-172(0-2')	Solid	08/14/15 16:50	08/15/15 08:25
680-115695-8	SB-170(0-2')	Solid	08/14/15 17:15	08/15/15 08:25
680-115695-9	SB-171(0-2')	Solid	08/14/15 17:40	08/15/15 08:25

Job ID: 680-115695-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE
Client: ARCADIS U.S., Inc.
Project: Hercules Savannah

Report Number: 680-115695-1

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 08/15/2015; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.4º C.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS) - LOW LEVEL
Samples SB-208(0-2') (680-115695-2), SB-208(2-4') (680-115695-3) and SB-209(0-2') (680-115695-4) were analyzed for Semivolatile Organic Compounds (GC/MS) - Low level in accordance with EPA SW846 Method 8270D. The samples were prepared on 08/20/2015 and analyzed on 08/29/2015.

Sample SB-208(2-4') (680-115695-3)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Internal standard (ISTD) response for perylene-d12 for the following samples was outside acceptance criteria: SB-208(2-4') (680-115695-3) and SB-209(0-2') (680-115695-4). This ISTD does not correspond to any of the requested target compounds; therefore, the data have been reported.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PESTICIDES AND PCBS
Samples SB-169(0-2') (680-115695-5), SB-169(2-4') (680-115695-6), SB-172(0-2') (680-115695-7), SB-170(0-2') (680-115695-8) and SB-171(0-2') (680-115695-9) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 08/20/2015 and analyzed on 08/22/2015.

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-169(0-2') (680-115695-5), SB-169(2-4') (680-115695-6), SB-172(0-2') (680-115695-7), SB-170(0-2') (680-115695-8) and SB-171(0-2') (680-115695-9).

The following samples required a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: SB-169(0-2') (680-115695-5), SB-169(2-4') (680-115695-6), SB-172(0-2') (680-115695-7), SB-170(0-2') (680-115695-8) and SB-171(0-2') (680-115695-9).

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for SB-171(0-2') (680-115695-9). 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
Samples SB-169(0-2') (680-115695-5), SB-169(2-4') (680-115695-6), SB-172(0-2') (680-115695-7), SB-170(0-2') (680-115695-8) and SB-171(0-2') (680-115695-9) were analyzed for chlorinated biphenyl congeners in accordance with epa method 1668C. The samples were prepared on 09/03/2015 and analyzed on 09/08/2015 and 09/09/2015.

Job ID: 680-115695-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

Several analytes were detected in method blank MB 320-84991/1-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 concentration of one or more analytes associated with the following samples exceeded the instrument calibration range: SB-170(0-2') (680-115695-8) and SB-171(0-2') (680-115695-9). 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 extracted at a reduced sample size (1.0g) due to the nature of the sample matrix and/or high analyte levels: SB-172(0-2') (680-115695-7) and SB-171(0-2') (680-115695-9). Elevated reporting limits (RLs) are provided.

The following samples exhibited elevated noise or matrix interferences for one or more analytes causing elevation of the detection limit (EDL): SB-172(0-2') (680-115695-7), SB-170(0-2') (680-115695-8) and SB-171(0-2') (680-115695-9) . The reporting limit (RL) for the affected analytes has been raised to be equal to the EDL, and a "G" qualifier applied.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

DIOXINS AND FURANS

Samples SB-169(0-2') (680-115695-5), SB-169(2-4') (680-115695-6), SB-172(0-2') (680-115695-7), SB-170(0-2') (680-115695-8) and SB-171(0-2') (680-115695-9) were analyzed for dioxins and furans in accordance with EPA Method 8290A. The samples were prepared on 08/20/2015 and analyzed on 08/26/2015 and 08/28/2015.

Several analytes were detected in method blank MB 320-83561/1-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 concentration of OCDD associated with the following samples exceeded the instrument calibration range: SB-169(0-2') (680-115695-5) and SB-169(2-4') (680-115695-6). The analyte has been qualified; however, the peak 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.

Sample SB-171(0-2') (680-115695-9)[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.

CORROSIVITY (PH)

Sample SB-181(0-2') (680-115695-1) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 08/17/2015.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-181(0-2')

Date Collected: 08/14/15 13:55
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-1

Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.76				SU			08/17/15 14:45	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-208(0-2')

Date Collected: 08/14/15 14:55
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-2

Matrix: Solid
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	0.0078	U	0.036	0.0078	mg/Kg	☼	08/20/15 12:20	08/29/15 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*24 - 130*	*08/20/15 12:20*	*08/29/15 01:50*	*1*
2-Fluorobiphenyl (Surr)	*80*		*11 - 130*	*08/20/15 12:20*	*08/29/15 01:50*	*1*
2-Fluorophenol (Surr)	*66*		*10 - 130*	*08/20/15 12:20*	*08/29/15 01:50*	*1*
Terphenyl-d14 (Surr)	*72*		*27 - 130*	*08/20/15 12:20*	*08/29/15 01:50*	*1*
Phenol-d5 (Surr)	*69*		*10 - 130*	*08/20/15 12:20*	*08/29/15 01:50*	*1*
Nitrobenzene-d5 (Surr)	*72*		*18 - 130*	*08/20/15 12:20*	*08/29/15 01:50*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-208(2-4')

Date Collected: 08/14/15 15:00
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-3

Matrix: Solid
Percent Solids: 92.2

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	0.039	U	0.18	0.039	mg/Kg	☼	08/20/15 12:20	08/29/15 02:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 130*	*08/20/15 12:20*	*08/29/15 02:18*	*5*
2-Fluorobiphenyl (Surr)	*67*		*11 - 130*	*08/20/15 12:20*	*08/29/15 02:18*	*5*
2-Fluorophenol (Surr)	*58*		*10 - 130*	*08/20/15 12:20*	*08/29/15 02:18*	*5*
Terphenyl-d14 (Surr)	*68*		*27 - 130*	*08/20/15 12:20*	*08/29/15 02:18*	*5*
Phenol-d5 (Surr)	*61*		*10 - 130*	*08/20/15 12:20*	*08/29/15 02:18*	*5*
Nitrobenzene-d5 (Surr)	*64*		*18 - 130*	*08/20/15 12:20*	*08/29/15 02:18*	*5*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-209(0-2')

Date Collected: 08/14/15 15:30
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-4

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	0.0081	U	0.037	0.0081	mg/Kg	☼	08/20/15 12:20	08/29/15 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*24 - 130*	*08/20/15 12:20*	*08/29/15 02:47*	*1*
2-Fluorobiphenyl (Surr)	*73*		*11 - 130*	*08/20/15 12:20*	*08/29/15 02:47*	*1*
2-Fluorophenol (Surr)	*64*		*10 - 130*	*08/20/15 12:20*	*08/29/15 02:47*	*1*
Terphenyl-d14 (Surr)	*85*		*27 - 130*	*08/20/15 12:20*	*08/29/15 02:47*	*1*
Phenol-d5 (Surr)	*68*		*10 - 130*	*08/20/15 12:20*	*08/29/15 02:47*	*1*
Nitrobenzene-d5 (Surr)	*67*		*18 - 130*	*08/20/15 12:20*	*08/29/15 02:47*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-169(0-2')

Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5

Matrix: Solid
Percent Solids: 82.7

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.012	U	0.039	0.012	mg/Kg	☼	08/20/15 12:20	08/22/15 00:49	1
PCB-1260	0.011	U	0.039	0.011	mg/Kg	☼	08/20/15 12:20	08/22/15 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*58*		*54 - 133*	*08/20/15 12:20*	*08/22/15 00:49*	*1*
Tetrachloro-m-xylene	*84*		*46 - 130*	*08/20/15 12:20*	*08/22/15 00:49*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00000044	U	0.000024	0.00000044	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-2	0.00000043	U	0.000024	0.00000043	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-3	0.00000038	U	0.000024	0.00000038	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-4	0.0000024	U	0.000024	0.0000024	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-5	0.0000033	U	0.000024	0.0000033	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-6	0.0000032	U	0.000024	0.0000032	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-7	0.0000030	U	0.000024	0.0000030	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-8	0.0000028	U	0.000024	0.0000028	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-9	0.0000036	U	0.000024	0.0000036	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-10	0.0000017	U	0.000024	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-11	**0.000010**	**J**	0.000024	0.0000033	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-12/13	0.0000032	U	0.000049	0.0000032	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-14	0.0000028	U	0.000024	0.0000028	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-15	0.0000037	U	0.000024	0.0000037	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-16	0.00000049	U	0.000024	0.00000049	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-17	**0.00000046**	**J**	0.000024	0.00000041	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-18/30	**0.00000047**	**J**	0.000049	0.00000036	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-19	0.00000043	U	0.000024	0.00000043	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-20/28	**0.0000020**	**J B**	0.000049	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-21/33	**0.00000068**	**J B**	0.000049	0.00000020	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-22	0.00000024	U	0.000024	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-23	0.00000021	U	0.000024	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-24	0.00000033	U	0.000024	0.00000033	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-25	0.00000020	U	0.000024	0.00000020	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-26/29	0.00000022	U	0.000049	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-27	0.00000033	U	0.000024	0.00000033	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-31	**0.0000011**	**J B**	0.000024	0.00000020	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-32	**0.00000036**	**J**	0.000024	0.00000029	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1

Client Sample ID: SB-169(0-2')

Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5

Matrix: Solid
Percent Solids: 82.7

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-34	0.00000023	U	0.000024	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-35	0.00000024	U	0.000024	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-36	0.00000022	U	0.000024	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-37	0.00000029	U	0.000024	0.00000029	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-38	0.00000023	U	0.000024	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-39	0.00000021	U	0.000024	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-40/71	**0.00000057**	**J**	0.000049	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-41	0.00000014	U	0.000024	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-42	**0.00000030**	**J B**	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-43	0.00000013	U	0.000024	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-44/47/65	**0.000013**	**J B**	0.000073	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-45	0.00000015	U	0.000024	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-46	0.00000015	U	0.000024	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-48	0.00000012	U	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-49/69	**0.0000022**	**J B**	0.000049	0.00000010	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-50/53	**0.00000031**	**J**	0.000049	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-51	**0.000013**	**J B**	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-52	**0.0000089**	**J B**	0.000024	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-54	0.00000014	U	0.000024	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-55	0.00000020	U	0.000024	0.00000020	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-56	**0.0000010**	**J**	0.000024	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-57	0.00000023	U	0.000024	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-58	0.00000022	U	0.000024	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-59/62/75	0.000000092	U	0.000073	0.00000092	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-60	0.00000022	U	0.000024	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-61/70/74/76	**0.0000099**	**J B**	0.000098	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-63	0.00000021	U	0.000024	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-64	**0.0000014**	**J**	0.000024	0.00000083	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1

Client Sample ID: SB-169(0-2')

Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5

Matrix: Solid
Percent Solids: 82.7

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-66	**0.0000030**	**J B**	0.000024	0.00000025	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-67	0.00000021	U	0.000024	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-68	**0.0000050**	**J B**	0.000024	0.00000020	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-72	0.00000022	U	0.000024	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-73	0.00000010	U	0.000024	0.00000010	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-77	**0.0000011**	**J**	0.0000024	0.00000026	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-78	0.00000024	U	0.000024	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-79	0.00000023	U	0.000024	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-80	0.00000021	U	0.000024	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-81	0.00000027	U	0.0000024	0.00000027	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-82	**0.0000031**	**J**	0.000024	0.00000090	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-83	0.0000011	U	0.000024	0.0000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-84	**0.0000041**	**J**	0.000024	0.00000090	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-85/116/117	**0.0000075**	**J**	0.000073	0.00000067	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-86/87/97/108/119/125	**0.000016**	**J B**	0.00015	0.00000068	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-88/91	**0.0000029**	**J**	0.000049	0.00000078	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-89	0.00000086	U	0.000024	0.00000086	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-90/101/113	**0.000023**	**J B**	0.000073	0.00000069	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-92	**0.0000049**	**J**	0.000024	0.00000082	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-93/100	0.00000080	U	0.000049	0.00000080	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-107/124	**0.0000024**	**J**	0.000049	0.00000062	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-94	0.00000084	U	0.000024	0.00000084	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-95	**0.000016**	**J B**	0.000024	0.00000082	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-96	0.00000013	U	0.000024	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-98/102	0.00000072	U	0.000049	0.00000072	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-99	**0.000012**	**J B**	0.000024	0.00000074	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-103	0.00000074	U	0.000024	0.00000074	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-104	0.000000071	U	0.000024	0.00000071	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1

Client Sample ID: SB-169(0-2')

Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5

Matrix: Solid
Percent Solids: 82.7

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-105	**0.000021**	**B**	0.0000024	0.00000071	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-106	0.00000066	U	0.000024	0.00000066	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-110/115	**0.000055**	**B**	0.000049	0.00000059	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-109	**0.0000042**	**J**	0.000024	0.00000063	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-111	0.00000055	U	0.000024	0.00000055	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-112	0.00000055	U	0.000024	0.00000055	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-114	**0.00000093**	**J**	0.0000024	0.00000065	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-118	**0.000046**	**B**	0.0000024	0.00000063	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-120	0.00000059	U	0.000024	0.00000059	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-121	0.00000058	U	0.000024	0.00000058	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-122	**0.0000012**	**J**	0.000024	0.00000070	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-123	**0.0000012**	**J**	0.0000024	0.00000061	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-126	**0.0000019**	**J**	0.0000024	0.00000079	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-127	0.00000072	U	0.000024	0.00000072	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-128/166	**0.000022**	**J**	0.000049	0.00000036	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-129/138/163	**0.00010**	**B**	0.000073	0.00000036	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-130	**0.0000065**	**J**	0.000024	0.00000045	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-131	0.00000043	U	0.000024	0.00000043	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-132	**0.000017**	**J B**	0.000024	0.00000039	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-133	**0.00000086**	**J**	0.000024	0.00000039	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-134/143	**0.0000026**	**J**	0.000049	0.00000040	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-135/151	**0.000010**	**J**	0.000049	0.00000038	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-136	**0.0000045**	**J**	0.000024	0.00000028	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-137	**0.0000059**	**J**	0.000024	0.00000039	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-139/140	**0.00000097**	**J**	0.000049	0.00000035	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-141	**0.0000090**	**J**	0.000024	0.00000037	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-142	0.00000038	U	0.000024	0.00000038	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-144	**0.0000010**	**J**	0.000024	0.00000036	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1

Client Sample ID: SB-169(0-2')

Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5

Matrix: Solid
Percent Solids: 82.7

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-145	0.00000026	U	0.000024	0.00000026	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-146	**0.000010**	**J**	0.000024	0.00000038	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-147/149	**0.000032**	**J B**	0.000049	0.00000036	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-148	0.00000035	U	0.000024	0.00000035	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-150	0.00000025	U	0.000024	0.00000025	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-152	0.00000027	U	0.000024	0.00000027	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-153/168	**0.000049**	**B**	0.000049	0.00000031	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-154	0.00000032	U	0.000024	0.00000032	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-155	0.00000029	U	0.000024	0.00000029	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-156/157	**0.000016**	**B**	0.0000049	0.00000028	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-158	**0.000011**	**J**	0.000024	0.00000028	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-159	0.00000023	U	0.000024	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-160	0.00000034	U	0.000024	0.00000034	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-161	0.00000028	U	0.000024	0.00000028	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-162	**0.00000075**	**J**	0.000024	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-164	**0.0000062**	**J**	0.000024	0.00000029	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-165	0.00000033	U	0.000024	0.00000033	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-167	**0.0000054**		0.0000024	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-169	0.00000027	U	0.0000024	0.00000027	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-170	**0.000017**	**J**	0.000024	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-171/173	**0.0000043**	**J**	0.000049	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-172	**0.0000026**	**J**	0.000024	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-174	**0.0000099**	**J**	0.000024	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-175	**0.00000036**	**J**	0.000024	0.00000016	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-176	**0.00000080**	**J**	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-177	**0.0000072**	**J**	0.000024	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-178	**0.0000018**	**J**	0.000024	0.00000016	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-179	**0.0000028**	**J**	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1

Client Sample ID: SB-169(0-2')

Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5

Matrix: Solid
Percent Solids: 82.7

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-180/193	**0.000031**	**J B**	0.000049	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-181	0.00000012	U	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-182	0.00000014	U	0.000024	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-183	**0.0000052**	**J**	0.000024	0.00000010	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-184	0.00000012	U	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-185	**0.00000069**	**J**	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-186	0.00000011	U	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-187	**0.000012**	**J**	0.000024	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-188	0.00000012	U	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-189	**0.00000081**	**J**	0.0000024	0.00000016	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-190	**0.0000032**	**J**	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-191	**0.00000077**	**J**	0.000024	0.00000010	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-192	0.00000011	U	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-194	**0.0000078**	**J**	0.000024	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-195	**0.0000023**	**J**	0.000024	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-196	**0.0000032**	**J**	0.000024	0.00000017	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-197	**0.00000019**	**J**	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-198/199	**0.000011**	**J**	0.000049	0.00000017	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-200	**0.00000067**	**J**	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-201	**0.00000096**	**J**	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-202	**0.0000029**	**J**	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-203	**0.0000065**	**J**	0.000024	0.00000016	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-204	0.00000011	U	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-205	**0.00000055**	**J**	0.000024	0.00000018	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-206	**0.000014**	**J B**	0.000024	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-207	**0.0000013**	**J**	0.000024	0.0000000 87	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-208	**0.0000064**	**J**	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1
PCB-209	**0.000017**	**J B**	0.000024	0.00000016	mg/Kg	☼	09/03/15 10:55	09/08/15 20:01	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-169(0-2')

Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5

Matrix: Solid
Percent Solids: 82.7

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-1L	33		5 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-3L	39		5 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-4L	38		5 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-15L	46		5 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-19L	42		5 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-37L	60		5 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-54L	42		5 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-77L	75		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-81L	72		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-104L	54		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-105L	78		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-114L	78		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-118L	78		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-123L	77		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-126L	86		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-155L	65		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-156L/157L	102		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-167L	91		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-169L	101		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-188L	69		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-189L	96		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-202L	79		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-205L	89		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-206L	91		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-208L	77		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-209L	66		10 - 145	09/03/15 10:55	09/08/15 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	53		5 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-111L	77		10 - 145	09/03/15 10:55	09/08/15 20:01	1
PCB-178L	73		10 - 145	09/03/15 10:55	09/08/15 20:01	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	**0.000000076**	**J q**	0.0000012	0.000000034	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
2,3,7,8-TCDF	**0.00000030**	**J**	0.0000012	0.000000038	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,7,8-PeCDD	**0.00000032**	**J**	0.0000060	0.000000059	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,7,8-PeCDF	0.000000069	U	0.0000060	0.000000069	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
2,3,4,7,8-PeCDF	**0.00000033**	**J**	0.0000060	0.000000071	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,4,7,8-HxCDD	**0.00000058**	**J**	0.0000060	0.000000077	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,6,7,8-HxCDD	**0.0000014**	**J**	0.0000060	0.000000075	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,7,8,9-HxCDD	**0.0000011**	**J**	0.0000060	0.000000066	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,4,7,8-HxCDF	**0.00000063**	**J**	0.0000060	0.00000011	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1

Client Sample ID: SB-169(0-2')

Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5

Matrix: Solid
Percent Solids: 82.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,6,7,8-HxCDF	0.00000033	J	0.0000060	0.000000099	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,7,8,9-HxCDF	0.00000011	U	0.0000060	0.00000011	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
2,3,4,6,7,8-HxCDF	0.00000035	J	0.0000060	0.00000011	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,4,6,7,8-HpCDD	0.000071	B	0.0000060	0.0000011	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,4,6,7,8-HpCDF	0.0000059	J B	0.0000060	0.000000076	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
1,2,3,4,7,8,9-HpCDF	0.000000094	U	0.0000060	0.000000094	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
OCDD	0.011	E B	0.000012	0.0000055	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
OCDF	0.000016	B	0.000012	0.000000043	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
Total TCDD	0.00000081	J q	0.0000012	0.000000034	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
Total TCDF	0.0000038	q	0.0000012	0.000000038	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
Total PeCDD	0.0000027	J q	0.0000060	0.000000059	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
Total PeCDF	0.0000067		0.0000060	0.000000070	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
Total HxCDD	0.000013	q	0.0000060	0.000000072	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
Total HxCDF	0.000010		0.0000060	0.00000011	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
Total HpCDD	0.00014	B	0.0000060	0.0000011	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1
Total HpCDF	0.000019	B	0.0000060	0.000000085	mg/Kg	☼	08/20/15 14:48	08/26/15 14:20	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*91*		*40 - 135*	*08/20/15 14:48*	*08/26/15 14:20*	*1*
13C-2,3,7,8-TCDF	*90*		*40 - 135*	*08/20/15 14:48*	*08/26/15 14:20*	*1*
13C-1,2,3,7,8-PeCDD	*98*		*40 - 135*	*08/20/15 14:48*	*08/26/15 14:20*	*1*
13C-1,2,3,7,8-PeCDF	*95*		*40 - 135*	*08/20/15 14:48*	*08/26/15 14:20*	*1*
13C-1,2,3,6,7,8-HxCDD	*126*		*40 - 135*	*08/20/15 14:48*	*08/26/15 14:20*	*1*
13C-1,2,3,4,7,8-HxCDF	*144*	*	*40 - 135*	*08/20/15 14:48*	*08/26/15 14:20*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*127*		*40 - 135*	*08/20/15 14:48*	*08/26/15 14:20*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*128*		*40 - 135*	*08/20/15 14:48*	*08/26/15 14:20*	*1*
13C-OCDD	*154*	*	*40 - 135*	*08/20/15 14:48*	*08/26/15 14:20*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.00078		0.0000020	0.00000020	mg/Kg			09/12/15 10:06	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-169(2-4')

Date Collected: 08/14/15 16:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-6

Matrix: Solid
Percent Solids: 81.9

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.012	U	0.040	0.012	mg/Kg	☼	08/20/15 12:20	08/22/15 01:03	1
PCB-1260	0.012	U	0.040	0.012	mg/Kg	☼	08/20/15 12:20	08/22/15 01:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*63*		*54 - 133*	*08/20/15 12:20*	*08/22/15 01:03*	*1*
Tetrachloro-m-xylene	*75*		*46 - 130*	*08/20/15 12:20*	*08/22/15 01:03*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00000062	U	0.000025	0.00000062	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-2	0.00000042	U	0.000025	0.00000042	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-3	**0.00000053**	**J**	0.000025	0.00000030	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-4	0.0000015	U	0.000025	0.0000015	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-5	0.0000029	U	0.000025	0.0000029	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-6	0.0000028	U	0.000025	0.0000028	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-7	0.0000026	U	0.000025	0.0000026	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-8	0.0000025	U	0.000025	0.0000025	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-9	0.0000032	U	0.000025	0.0000032	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-10	0.0000010	U	0.000025	0.0000010	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-11	**0.0000091**	**J**	0.000025	0.0000029	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-12/13	0.0000028	U	0.000049	0.0000028	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-14	0.0000025	U	0.000025	0.0000025	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-15	0.0000032	U	0.000025	0.0000032	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-16	**0.00000054**	**J**	0.000025	0.00000036	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-17	**0.00000039**	**J**	0.000025	0.00000031	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-18/30	**0.00000053**	**J**	0.000049	0.00000027	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-19	0.00000032	U	0.000025	0.00000032	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-20/28	**0.0000013**	**J B**	0.000049	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-21/33	**0.00000057**	**J B**	0.000049	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-22	**0.00000039**	**J B**	0.000025	0.00000026	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-23	0.00000022	U	0.000025	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-24	0.00000024	U	0.000025	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-25	0.00000022	U	0.000025	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-26/29	0.00000023	U	0.000049	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-27	0.00000025	U	0.000025	0.00000025	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-31	**0.00000093**	**J B**	0.000025	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-32	**0.00000043**	**J**	0.000025	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1

Client Sample ID: SB-169(2-4')

Date Collected: 08/14/15 16:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-6

Matrix: Solid
Percent Solids: 81.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-34	0.00000025	U	0.000025	0.00000025	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-35	0.00000025	U	0.000025	0.00000025	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-36	0.00000024	U	0.000025	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-37	0.00000032	U	0.000025	0.00000032	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-38	0.00000025	U	0.000025	0.00000025	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-39	0.00000023	U	0.000025	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-40/71	**0.0000015**	**J**	0.000049	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-41	0.00000016	U	0.000025	0.00000016	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-42	**0.00000059**	**J B**	0.000025	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-43	0.00000015	U	0.000025	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-44/47/65	**0.0000083**	**J B**	0.000074	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-45	**0.00000035**	**J**	0.000025	0.00000017	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-46	0.00000016	U	0.000025	0.00000016	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-48	0.00000013	U	0.000025	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-49/69	**0.0000038**	**J B**	0.000049	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-50/53	**0.00000075**	**J**	0.000049	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-51	**0.00000056**	**J B**	0.000025	0.00000013	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-52	**0.000022**	**J B**	0.000025	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-54	0.00000011	U	0.000025	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-55	0.00000021	U	0.000025	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-56	**0.0000016**	**J**	0.000025	0.00000026	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-57	0.00000024	U	0.000025	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-58	0.00000024	U	0.000025	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-59/62/75	0.00000010	U	0.000074	0.00000010	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-60	**0.00000075**	**J**	0.000025	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-61/70/74/76	**0.000017**	**J B**	0.000098	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-63	0.00000022	U	0.000025	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-64	**0.0000022**	**J**	0.000025	0.000000092	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1

Client Sample ID: SB-169(2-4')

Date Collected: 08/14/15 16:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-6

Matrix: Solid
Percent Solids: 81.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-66	**0.0000040**	**J B**	0.000025	0.00000027	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-67	0.00000022	U	0.000025	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-68	**0.00000045**	**J B**	0.000025	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-72	0.00000023	U	0.000025	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-73	0.00000011	U	0.000025	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-77	**0.00000039**	**J**	0.0000025	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-78	0.00000026	U	0.000025	0.00000026	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-79	**0.0000012**	**J**	0.000025	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-80	0.00000022	U	0.000025	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-81	0.00000059	U	0.0000025	0.00000059	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-82	**0.0000019**	**J**	0.000025	0.0000011	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-83	**0.0000013**	**J**	0.000025	0.0000013	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-84	**0.000011**	**J**	0.000025	0.0000011	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-85/116/117	**0.0000070**	**J**	0.000074	0.00000081	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-86/87/97/108/119/125	**0.000022**	**J B**	0.00015	0.00000082	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-88/91	**0.0000044**	**J**	0.000049	0.00000094	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-89	0.0000010	U	0.000025	0.0000010	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-90/101/113	**0.000041**	**J B**	0.000074	0.00000083	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-92	**0.0000084**	**J**	0.000025	0.00000099	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-93/100	0.00000096	U	0.000049	0.00000096	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-107/124	**0.0000020**	**J**	0.000049	0.00000075	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-94	0.0000010	U	0.000025	0.0000010	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-95	**0.000031**	**B**	0.000025	0.00000099	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-96	**0.00000022**	**J**	0.000025	0.0000000095	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-98/102	0.00000087	U	0.000049	0.00000087	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-99	**0.000018**	**J B**	0.000025	0.00000089	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-103	0.00000089	U	0.000025	0.00000089	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-104	0.00000011	U	0.000025	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-105	**0.000016**	**B**	0.0000025	0.00000079	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-106	0.00000079	U	0.000025	0.00000079	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1

Client Sample ID: SB-169(2-4')

Date Collected: 08/14/15 16:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-6

Matrix: Solid
Percent Solids: 81.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-110/115	**0.000073**	**B**	0.000049	0.0000071	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-109	**0.0000021**	**J**	0.000025	0.0000076	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-111	0.00000066	U	0.000025	0.0000066	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-112	0.00000066	U	0.000025	0.0000066	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-114	**0.00000098**	**J**	0.0000025	0.0000070	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-118	**0.000039**	**B**	0.0000025	0.0000071	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-120	0.00000072	U	0.000025	0.0000072	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-121	0.00000070	U	0.000025	0.0000070	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-122	**0.0000011**	**J**	0.000025	0.0000084	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-123	**0.0000011**	**J**	0.0000025	0.0000089	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-126	0.00000095	U	0.0000025	0.0000095	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-127	0.00000087	U	0.000025	0.0000087	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-128/166	**0.000014**	**J**	0.000049	0.0000046	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-129/138/163	**0.000075**	**B**	0.000074	0.0000046	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-130	**0.0000053**	**J**	0.000025	0.0000057	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-131	0.00000054	U	0.000025	0.0000054	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-132	**0.000021**	**J B**	0.000025	0.0000050	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-133	**0.00000068**	**J**	0.000025	0.0000049	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-134/143	**0.0000035**	**J**	0.000049	0.0000051	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-135/151	**0.000010**	**J**	0.000049	0.0000048	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-136	**0.0000055**	**J**	0.000025	0.0000036	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-137	**0.0000047**	**J**	0.000025	0.0000050	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-139/140	**0.0000010**	**J**	0.000049	0.0000045	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-141	**0.000010**	**J**	0.000025	0.0000047	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-142	0.00000048	U	0.000025	0.0000048	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-144	**0.0000015**	**J**	0.000025	0.0000045	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-145	0.00000034	U	0.000025	0.0000034	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-146	**0.0000081**	**J**	0.000025	0.0000048	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1

Client Sample ID: SB-169(2-4')

Date Collected: 08/14/15 16:15
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Lab Sample ID: 680-115695-6

Matrix: Solid
Percent Solids: 81.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-147/149	**0.000033**	**J B**	0.000049	0.00000046	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-148	0.00000045	U	0.000025	0.00000045	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-150	0.00000031	U	0.000025	0.00000031	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-152	0.00000034	U	0.000025	0.00000034	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-153/168	**0.000040**	**J B**	0.000049	0.00000039	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-154	0.00000040	U	0.000025	0.00000040	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-155	0.00000037	U	0.000025	0.00000037	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-156/157	**0.000011**	**B**	0.0000049	0.00000030	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-158	**0.0000091**	**J**	0.000025	0.00000036	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-159	0.00000024	U	0.000025	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-160	0.00000043	U	0.000025	0.00000043	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-161	0.00000036	U	0.000025	0.00000036	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-162	0.00000022	U	0.000025	0.00000022	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-164	**0.0000048**	**J**	0.000025	0.00000037	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-165	0.00000042	U	0.000025	0.00000042	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-167	**0.0000031**		0.0000025	0.00000020	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-169	0.00000029	U	0.0000025	0.00000029	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-170	**0.0000094**	**J**	0.000025	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-171/173	**0.0000029**	**J**	0.000049	0.00000018	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-172	**0.0000015**	**J**	0.000025	0.00000019	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-174	**0.0000068**	**J**	0.000025	0.00000017	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-175	**0.00000025**	**J**	0.000025	0.00000020	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-176	**0.00000076**	**J**	0.000025	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-177	**0.0000047**	**J**	0.000025	0.00000018	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-178	**0.0000011**	**J**	0.000025	0.00000020	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-179	**0.0000022**	**J**	0.000025	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-180/193	**0.000016**	**J B**	0.000049	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-181	0.00000016	U	0.000025	0.00000016	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1

Client Sample ID: SB-169(2-4')

Date Collected: 08/14/15 16:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-6

Matrix: Solid
Percent Solids: 81.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-182	0.00000018	U	0.000025	0.00000018	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-183	**0.0000042**	**J**	0.000025	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-184	0.00000015	U	0.000025	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-185	0.00000038	U	0.000025	0.00000038	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-186	0.00000014	U	0.000025	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-187	**0.0000061**	**J**	0.000025	0.00000019	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-188	0.00000016	U	0.000025	0.00000016	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-189	**0.00000049**	**J**	0.0000025	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-190	**0.0000018**	**J**	0.000025	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-191	**0.00000040**	**J**	0.000025	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-192	0.00000015	U	0.000025	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-194	**0.0000023**	**J**	0.000025	0.00000027	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-195	**0.00000096**	**J**	0.000025	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-196	0.0000049	U	0.000025	0.0000049	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-197	0.0000031	U	0.000025	0.0000031	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-198/199	0.0000049	U	0.000049	0.0000049	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-200	0.0000031	U	0.000025	0.0000031	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-201	0.0000030	U	0.000025	0.0000030	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-202	0.0000035	U	0.000025	0.0000035	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-203	0.0000046	U	0.000025	0.0000046	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-204	0.0000031	U	0.000025	0.0000031	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-205	0.00000020	U	0.000025	0.00000020	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-206	**0.0000011**	**J B**	0.000025	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-207	0.00000017	U	0.000025	0.00000017	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-208	**0.00000050**	**J**	0.000025	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1
PCB-209	**0.00000065**	**J B**	0.000025	0.00000012	mg/Kg	☼	09/03/15 10:55	09/08/15 21:16	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*27*		*5 - 145*	*09/03/15 10:55*	*09/08/15 21:16*	*1*
PCB-3L	*44*		*5 - 145*	*09/03/15 10:55*	*09/08/15 21:16*	*1*
PCB-4L	*44*		*5 - 145*	*09/03/15 10:55*	*09/08/15 21:16*	*1*
PCB-15L	*60*		*5 - 145*	*09/03/15 10:55*	*09/08/15 21:16*	*1*
PCB-19L	*49*		*5 - 145*	*09/03/15 10:55*	*09/08/15 21:16*	*1*
PCB-37L	*68*		*5 - 145*	*09/03/15 10:55*	*09/08/15 21:16*	*1*
PCB-54L	*48*		*5 - 145*	*09/03/15 10:55*	*09/08/15 21:16*	*1*
PCB-77L	*62*		*10 - 145*	*09/03/15 10:55*	*09/08/15 21:16*	*1*
PCB-81L	*36*		*10 - 145*	*09/03/15 10:55*	*09/08/15 21:16*	*1*

Client Sample ID: SB-169(2-4')

Date Collected: 08/14/15 16:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-6

Matrix: Solid
Percent Solids: 81.9

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-104L	46		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-105L	86		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-114L	86		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-118L	86		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-123L	63		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-126L	89		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-155L	63		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-156L/157L	96		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-167L	96		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-169L	105		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-188L	64		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-189L	90		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-202L	72		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-205L	92		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-206L	91		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-208L	77		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-209L	76		10 - 145	09/03/15 10:55	09/08/15 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	64		5 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-111L	78		10 - 145	09/03/15 10:55	09/08/15 21:16	1
PCB-178L	74		10 - 145	09/03/15 10:55	09/08/15 21:16	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	**0.000000074**	**J q**	0.0000012	0.0000000 44	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
2,3,7,8-TCDF	0.000000036	U	0.0000012	0.0000000 36	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,7,8-PeCDD	**0.00000025**	**J**	0.0000061	0.0000000 72	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,7,8-PeCDF	0.000000039	U	0.0000061	0.0000000 39	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
2,3,4,7,8-PeCDF	0.000000041	U	0.0000061	0.0000000 41	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,4,7,8-HxCDD	**0.00000046**	**J**	0.0000061	0.0000000 64	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,6,7,8-HxCDD	**0.00000051**	**J**	0.0000061	0.0000000 62	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,7,8,9-HxCDD	**0.0000012**	**J**	0.0000061	0.0000000 54	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,4,7,8-HxCDF	**0.00000034**	**J**	0.0000061	0.0000000 27	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,6,7,8-HxCDF	**0.000000061**	**J q**	0.0000061	0.0000000 24	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,7,8,9-HxCDF	0.000000028	U	0.0000061	0.0000000 28	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
2,3,4,6,7,8-HxCDF	0.000000026	U	0.0000061	0.0000000 26	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,4,6,7,8-HpCDD	**0.000047**	**B**	0.0000061	0.0000015	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
1,2,3,4,6,7,8-HpCDF	**0.00000025**	**J B**	0.0000061	0.0000000 37	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-169(2-4')

Date Collected: 08/14/15 16:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-6

Matrix: Solid
Percent Solids: 81.9

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,7,8,9-HpCDF	0.000000045	U	0.0000061	0.0000000 45	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
OCDD	**0.010**	**E B**	0.000012	0.0000049	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
OCDF	**0.00000088**	**J B**	0.000012	0.0000000 42	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
Total TCDD	**0.00000026**	**J q**	0.0000012	0.0000000 44	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
Total TCDF	**).000000089**	**J q**	0.0000012	0.0000000 36	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
Total PeCDD	**0.0000020**	**J q**	0.0000061	0.0000000 72	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
Total PeCDF	**0.00000032**	**J**	0.0000061	0.0000000 40	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
Total HxCDD	**0.000017**	**q**	0.0000061	0.0000000 60	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
Total HxCDF	**0.00000054**	**J q**	0.0000061	0.0000000 26	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
Total HpCDD	**0.00012**	**B**	0.0000061	0.0000015	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1
Total HpCDF	**0.00000068**	**J B**	0.0000061	0.0000000 41	mg/Kg	☼	08/20/15 14:48	08/26/15 15:06	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*91*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:06*	*1*
13C-2,3,7,8-TCDF	*92*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:06*	*1*
13C-1,2,3,7,8-PeCDD	*96*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:06*	*1*
13C-1,2,3,7,8-PeCDF	*94*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:06*	*1*
13C-1,2,3,6,7,8-HxCDD	*98*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:06*	*1*
13C-1,2,3,4,7,8-HxCDF	*92*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:06*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*101*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:06*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*100*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:06*	*1*
13C-OCDD	*111*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:06*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	**0.00069**		0.0000020	0.0000002 0	mg/Kg			09/12/15 10:06	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-172(0-2')

Date Collected: 08/14/15 16:50
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-7

Matrix: Solid
Percent Solids: 82.2

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**0.16**		0.040	0.012	mg/Kg	☼	08/20/15 12:20	08/22/15 01:18	1
PCB-1260	**0.032**	**J**	0.040	0.012	mg/Kg	☼	08/20/15 12:20	08/22/15 01:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*60*		*54 - 133*	*08/20/15 12:20*	*08/22/15 01:18*	*1*
Tetrachloro-m-xylene	*93*		*46 - 130*	*08/20/15 12:20*	*08/22/15 01:18*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.0000024	U	0.00021	0.0000024	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-2	**0.0000041**	**J**	0.00021	0.0000023	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-3	**0.0000070**	**J**	0.00021	0.0000020	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-4	0.000016	U	0.00021	0.000016	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-5	0.000016	U	0.00021	0.000016	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-6	0.000015	U	0.00021	0.000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-7	0.000014	U	0.00021	0.000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-8	0.000013	U	0.00021	0.000013	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-9	0.000017	U	0.00021	0.000017	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-10	0.0000098	U	0.00021	0.0000098	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-11	**0.000098**	**J**	0.00021	0.000016	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-12/13	0.000015	U	0.00042	0.000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-14	0.000013	U	0.00021	0.000013	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-15	0.000016	U	0.00021	0.000016	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-16	**0.0000052**	**J**	0.00021	0.0000035	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-17	**0.0000061**	**J**	0.00021	0.0000029	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-18/30	**0.0000086**	**J**	0.00042	0.0000025	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-19	0.0000026	U	0.00021	0.0000026	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-20/28	**0.000024**	**J B**	0.00042	0.0000058	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-21/33	**0.000010**	**J B**	0.00042	0.0000051	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-22	**0.0000086**	**J B**	0.00021	0.0000061	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-23	0.0000052	U	0.00021	0.0000052	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-24	0.0000023	U	0.00021	0.0000023	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-25	0.0000052	U	0.00021	0.0000052	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-26/29	0.0000056	U	0.00042	0.0000056	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-27	0.0000023	U	0.00021	0.0000023	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-31	**0.000020**	**J B**	0.00021	0.0000052	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-32	**0.0000059**	**J**	0.00021	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-34	0.0000059	U	0.00021	0.0000059	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-35	0.0000060	U	0.00021	0.0000060	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-36	0.0000056	U	0.00021	0.0000056	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-37	**0.000017**	**J**	0.00021	0.0000092	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-38	0.0000060	U	0.00021	0.0000060	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-39	0.0000054	U	0.00021	0.0000054	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-40/71	**0.000027**	**J**	0.00042	0.0000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-41	0.0000017	U	0.00021	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-42	**0.000011**	**J B**	0.00021	0.0000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-43	0.0000015	U	0.00021	0.0000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-44/47/65	**0.00017**	**J B**	0.00063	0.0000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-45	0.0000018	U	0.00021	0.0000018	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-46	0.0000017	U	0.00021	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1

Client Sample ID: SB-172(0-2')

Date Collected: 08/14/15 16:50
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-7

Matrix: Solid
Percent Solids: 82.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-48	0.0000014	U	0.00021	0.0000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-49/69	**0.000079**	**J B**	0.00042	0.0000012	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-50/53	**0.000011**	**J**	0.00042	0.0000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-51	0.0000014	U	0.00021	0.0000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-52	**0.00071**	**B**	0.00021	0.0000016	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-54	0.00000089	U	0.00021	0.00000089	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-55	**0.000033**	**J**	0.00021	0.0000019	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-56	**0.000027**	**J**	0.00021	0.0000024	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-57	0.0000022	U	0.00021	0.0000022	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-58	0.0000022	U	0.00021	0.0000022	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-59/62/75	0.0000011	U	0.00063	0.0000011	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-60	**0.000035**	**J**	0.00021	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-61/70/74/76	**0.00037**	**J B**	0.00084	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-63	0.0000021	U	0.00021	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-64	0.00000096	U	0.00021	0.00000096	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-66	**0.00012**	**J B**	0.00021	0.0000025	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-67	**0.000016**	**J**	0.00021	0.0000020	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-68	0.0000020	U	0.00021	0.0000020	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-72	0.0000021	U	0.00021	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-73	0.0000012	U	0.00021	0.0000012	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-77	**0.000074**		0.000021	0.0000025	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-78	**0.000016**	**J**	0.00021	0.0000024	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-79	**0.000042**	**J**	0.00021	0.0000023	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-80	0.0000020	U	0.00021	0.0000020	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-81	**0.000014**	**J**	0.000021	0.0000023	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-82	**0.00027**		0.00021	0.000049	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-83	**0.000098**	**J**	0.00021	0.000058	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-84	**0.00041**		0.00021	0.000049	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-85/116/117	**0.00041**	**J**	0.00063	0.000037	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-86/87/97/108/119/125	**0.0015**	**B**	0.0013	0.000038	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-88/91	**0.00022**	**J**	0.00042	0.000043	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-89	0.000047	U	0.00021	0.000047	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-90/101/113	**0.0022**	**B**	0.00063	0.000038	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-92	0.000045	U	0.00021	0.000045	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-93/100	0.000044	U	0.00042	0.000044	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-107/124	**0.000087**	**J**	0.00042	0.000034	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-94	0.000046	U	0.00021	0.000046	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-95	**0.00056**	**B**	0.00021	0.000045	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-96	**0.0000067**	**J**	0.00021	0.00000086	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-98/102	0.000040	U I	0.00042	0.000040	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-99	**0.0010**	**B**	0.00021	0.000041	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-103	0.000041	U	0.00021	0.000041	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-104	0.0000011	U	0.00021	0.0000011	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-105	**0.0011**	**B G**	0.000037	0.000037	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-106	0.000036	U	0.00021	0.000036	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-110/115	**0.0038**	**B**	0.00042	0.000032	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-109	**0.00018**	**J**	0.00021	0.000034	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-172(0-2')

Date Collected: 08/14/15 16:50
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-7

Matrix: Solid
Percent Solids: 82.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-111	0.000030	U	0.00021	0.000030	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-112	0.000030	U	0.00021	0.000030	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-114	**0.000035**	**G**	0.000035	0.000035	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-118	**0.0026**	**B G**	0.000033	0.000033	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-120	0.000033	U	0.00021	0.000033	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-121	0.000032	U	0.00021	0.000032	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-122	**0.000048**	**J**	0.00021	0.000038	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-123	**0.000038**	**G**	0.000032	0.000032	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-126	0.000042	U G	0.000042	0.000042	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-127	0.000040	U	0.00021	0.000040	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-128/166	**0.00065**		0.00042	0.000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-129/138/163	**0.0034**	**B**	0.00063	0.000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-130	**0.00023**		0.00021	0.000018	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-131	**0.0011**		0.00021	0.000017	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-132	0.000015	U	0.00021	0.000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-133	0.000015	U	0.00021	0.000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-134/143	**0.000046**	**J**	0.00042	0.000016	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-135/151	0.000015	U	0.00042	0.000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-136	0.000011	U	0.00021	0.000011	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-137	**0.00019**	**J**	0.00021	0.000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-139/140	**0.000035**	**J**	0.00042	0.000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-141	**0.00049**		0.00021	0.000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-142	0.000015	U	0.00021	0.000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-144	**0.0017**		0.00021	0.000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-145	0.000010	U	0.00021	0.000010	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-146	**0.00034**		0.00021	0.000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-147/149	0.000014	U	0.00042	0.000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-148	0.000014	U	0.00021	0.000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-150	0.0000097	U	0.00021	0.0000097	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-152	0.000010	U	0.00021	0.000010	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-153/168	**0.0019**	**B**	0.00042	0.000012	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-154	**0.000049**	**J**	0.00021	0.000012	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-155	0.000011	U	0.00021	0.000011	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-156/157	**0.00057**	**B**	0.000042	0.0000064	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-158	**0.00039**		0.00021	0.000011	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-159	**0.000016**	**J**	0.00021	0.0000048	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-160	0.000013	U	0.00021	0.000013	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-161	0.000011	U	0.00021	0.000011	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-162	**0.000021**	**J**	0.00021	0.0000044	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-164	**0.00021**		0.00021	0.000011	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-165	0.000013	U	0.00021	0.000013	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-167	**0.00017**		0.000021	0.0000042	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-169	0.0000055	U	0.000021	0.0000055	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-170	**0.00056**		0.00021	0.0000024	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-171/173	**0.00017**	**J**	0.00042	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-172	**0.000088**	**J**	0.00021	0.0000022	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-174	**0.00046**		0.00021	0.0000020	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-175	**0.000016**	**J**	0.00021	0.0000013	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-176	**0.000038**	**J**	0.00021	0.0000009	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1

1

Client Sample ID: SB-172(0-2')

Date Collected: 08/14/15 16:50
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-7

Matrix: Solid
Percent Solids: 82.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-177	0.00026		0.00021	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-178	0.000061	J	0.00021	0.0000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-179	0.00012	J	0.00021	0.00000099	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-180/193	0.0010	B	0.00042	0.0000018	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-181	0.000012	J	0.00021	0.0000019	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-182	0.0000012	U	0.00021	0.0000012	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-183	0.00023		0.00021	0.0000016	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-184	0.00000099	U	0.00021	0.00000099	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-185	0.000049	J	0.00021	0.0000019	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-186	0.00000097	U	0.00021	0.00000097	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-187	0.00039		0.00021	0.0000013	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-188	0.0000010	U	0.00021	0.0000010	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-189	0.000022		0.000021	0.0000015	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-190	0.00011	J	0.00021	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-191	0.000024	J	0.00021	0.0000016	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-192	0.0000017	U	0.00021	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-194	0.00019	J	0.00021	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-195	0.000059	J	0.00021	0.0000016	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-196	0.000084	J	0.00021	0.0000067	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-197	0.0000052	J	0.00021	0.0000042	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-198/199	0.00020	J	0.00042	0.0000067	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-200	0.000021	J	0.00021	0.0000043	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-201	0.000022	J	0.00021	0.0000041	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-202	0.000039	J	0.00021	0.0000045	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-203	0.00011	J	0.00021	0.0000063	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-204	0.0000043	U	0.00021	0.0000043	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-205	0.0000085	J	0.00021	0.0000014	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-206	0.00010	J B	0.00021	0.0000011	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-207	0.0000086	J	0.00021	0.00000080	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-208	0.000030	J	0.00021	0.0000010	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1
PCB-209	0.000067	J B	0.00021	0.0000011	mg/Kg	☼	09/03/15 10:55	09/08/15 23:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*35*		*5 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-3L	*46*		*5 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-4L	*42*		*5 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-15L	*60*		*5 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-19L	*47*		*5 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-37L	*31*		*5 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-54L	*49*		*5 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-77L	*96*		*10 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-81L	*94*		*10 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-104L	*59*		*10 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-105L	*101*		*10 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-114L	*99*		*10 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-118L	*99*		*10 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*
PCB-123L	*98*		*10 - 145*	*09/03/15 10:55*	*09/08/15 23:46*	*1*

Client Sample ID: SB-172(0-2')

Date Collected: 08/14/15 16:50
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-7

Matrix: Solid
Percent Solids: 82.2

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-126L	111		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-155L	63		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-156L/157L	108		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-167L	106		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-169L	120		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-188L	69		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-189L	86		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-202L	79		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-205L	86		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-206L	102		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-208L	82		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-209L	88		10 - 145	09/03/15 10:55	09/08/15 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	73		5 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-111L	97		10 - 145	09/03/15 10:55	09/08/15 23:46	1
PCB-178L	75		10 - 145	09/03/15 10:55	09/08/15 23:46	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000013	J q	0.0000012	0.000000063	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,7,8-PeCDD	0.00000071	J	0.0000060	0.00000014	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,7,8-PeCDF	0.00000061	J q	0.0000060	0.000000084	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
2,3,4,7,8-PeCDF	0.00000070	J	0.0000060	0.000000086	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,4,7,8-HxCDD	0.0000014	J	0.0000060	0.00000013	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,6,7,8-HxCDD	0.0000027	J	0.0000060	0.00000013	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,7,8,9-HxCDD	0.0000049	J	0.0000060	0.00000011	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,4,7,8-HxCDF	0.0000012	J	0.0000060	0.000000090	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,6,7,8-HxCDF	0.00000073	J	0.0000060	0.000000082	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,7,8,9-HxCDF	0.000000094	U	0.0000060	0.000000094	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
2,3,4,6,7,8-HxCDF	0.00000049	J	0.0000060	0.000000088	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,4,6,7,8-HpCDD	0.000064	B	0.0000060	0.00000032	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,4,6,7,8-HpCDF	0.000012	B	0.0000060	0.00000012	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
1,2,3,4,7,8,9-HpCDF	0.00000084	J	0.0000060	0.00000015	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
OCDD	0.0010	B	0.000012	0.00000039	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
OCDF	0.000020	B	0.000012	0.000000043	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
Total TCDD	0.0000061	q	0.0000012	0.000000063	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1

Client Sample ID: SB-172(0-2')

Date Collected: 08/14/15 16:50
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-7

Matrix: Solid
Percent Solids: 82.2

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TCDF	0.0000092	q	0.0000012	0.000000075	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
Total PeCDD	0.0000073	q	0.0000060	0.00000014	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
Total PeCDF	0.0000065	q	0.0000060	0.000000085	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
Total HxCDD	0.000055		0.0000060	0.00000012	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
Total HxCDF	0.000013		0.0000060	0.000000088	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
Total HpCDD	0.00019	B	0.0000060	0.00000032	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1
Total HpCDF	0.000028	B	0.0000060	0.00000013	mg/Kg	☼	08/20/15 14:48	08/26/15 15:52	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*74*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:52*	*1*
13C-2,3,7,8-TCDF	*72*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:52*	*1*
13C-1,2,3,7,8-PeCDD	*105*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:52*	*1*
13C-1,2,3,7,8-PeCDF	*93*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:52*	*1*
13C-1,2,3,6,7,8-HxCDD	*78*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:52*	*1*
13C-1,2,3,4,7,8-HxCDF	*102*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:52*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*90*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:52*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*88*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:52*	*1*
13C-OCDD	*116*		*40 - 135*	*08/20/15 14:48*	*08/26/15 15:52*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.0000015		0.0000012	0.00000044	mg/Kg	☼	08/20/15 14:48	08/26/15 22:08	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*97*		*40 - 135*	*08/20/15 14:48*	*08/26/15 22:08*	*1*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.033		0.0000020	0.00000020	mg/Kg			09/12/15 10:06	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-170(0-2')

Date Collected: 08/14/15 17:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-8

Matrix: Solid
Percent Solids: 83.7

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	**0.067**		0.039	0.012	mg/Kg	☼	08/20/15 12:20	08/22/15 01:32	1
PCB-1260	**0.013**	**J p**	0.039	0.011	mg/Kg	☼	08/20/15 12:20	08/22/15 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*54 - 133*	*08/20/15 12:20*	*08/22/15 01:32*	*1*
Tetrachloro-m-xylene	*96*		*46 - 130*	*08/20/15 12:20*	*08/22/15 01:32*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.00000092**	**J**	0.000024	0.00000028	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-2	**0.0000019**	**J**	0.000024	0.00000027	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-3	**0.0000018**	**J**	0.000024	0.00000024	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-4	**0.0000037**	**J**	0.000024	0.0000020	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-5	0.0000019	U	0.000024	0.0000019	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-6	0.0000018	U	0.000024	0.0000018	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-7	0.0000017	U	0.000024	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-8	**0.0000027**	**J**	0.000024	0.0000016	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-9	0.0000021	U	0.000024	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-10	0.0000012	U	0.000024	0.0000012	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-11	**0.0000075**	**J**	0.000024	0.0000019	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-12/13	0.0000018	U	0.000047	0.0000018	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-14	0.0000016	U	0.000024	0.0000016	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-15	**0.0000025**	**J**	0.000024	0.0000019	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-16	**0.000012**	**J**	0.000024	0.00000034	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-17	**0.000011**	**J**	0.000024	0.00000029	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-18/30	**0.000019**	**J**	0.000047	0.00000025	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-19	**0.0000030**	**J**	0.000024	0.00000030	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-20/28	**0.000031**	**J B**	0.000047	0.0000016	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-21/33	**0.000017**	**J B**	0.000047	0.0000014	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-22	**0.000012**	**J B**	0.000024	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-23	0.0000015	U	0.000024	0.0000015	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-24	**0.00000056**	**J**	0.000024	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-25	**0.0000023**	**J**	0.000024	0.0000015	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-26/29	**0.0000056**	**J**	0.000047	0.0000016	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-27	**0.0000020**	**J**	0.000024	0.00000023	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-31	**0.000048**	**B**	0.000024	0.0000015	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-32	**0.0000081**	**J**	0.000024	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-34	0.0000017	U	0.000024	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-35	**0.0000025**	**J**	0.000024	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-36	**0.000016**	**J**	0.000024	0.0000016	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-37	**0.000012**	**J**	0.000024	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-38	0.0000017	U	0.000024	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1

Client Sample ID: SB-170(0-2')

Date Collected: 08/14/15 17:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-8

Matrix: Solid
Percent Solids: 83.7

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-39	0.0000015	U	0.000024	0.0000015	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-40/71	**0.000098**		0.000047	0.0000032	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-41	**0.0000052**	**J B**	0.000024	0.0000039	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-42	**0.000039**	**B**	0.000024	0.0000031	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-43	0.0000036	U	0.000024	0.0000036	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-44/47/65	**0.00066**	**B**	0.000071	0.0000031	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-45	**0.000015**	**J**	0.000024	0.0000041	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-46	**0.0000069**	**J**	0.000024	0.0000040	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-48	**0.000028**		0.000024	0.0000032	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-49/69	**0.00035**	**B**	0.000047	0.0000028	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-50/53	**0.000042**	**J**	0.000047	0.0000034	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-51	**0.0000050**	**J B**	0.000024	0.0000032	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-52	**0.0024**	**E B**	0.000024	0.0000036	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-54	**0.00000025**	**J**	0.000024	0.00000014	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-55	0.0000077	U	0.000024	0.0000077	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-56	**0.00016**		0.000024	0.0000095	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-57	0.0000089	U	0.000024	0.0000089	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-58	0.0000087	U	0.000024	0.0000087	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-59/62/75	**0.0000072**	**J**	0.000071	0.0000025	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-60	**0.000051**		0.000024	0.0000084	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-61/70/74/76	**0.0016**	**B**	0.000094	0.0000085	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-63	**0.000016**	**J**	0.000024	0.0000082	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-64	**0.00011**		0.000024	0.0000022	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-66	**0.00039**	**B**	0.000024	0.0000098	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-67	0.0000081	U	0.000024	0.0000081	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-68	0.0000078	U	0.000024	0.0000078	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-72	0.0000084	U	0.000024	0.0000084	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-73	0.0000027	U	0.000024	0.0000027	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-77	**0.000083**	**G**	0.000011	0.000011	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-78	**0.000033**		0.000024	0.0000095	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-79	0.0000090	U	0.000024	0.0000090	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-80	0.0000080	U	0.000024	0.0000080	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-81	**0.000027**	**G**	0.0000089	0.0000089	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-82	**0.00053**	**G**	0.000094	0.000094	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-83	**0.00021**	**G**	0.00011	0.00011	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-84	**0.0013**	**G**	0.000094	0.000094	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-85/116/117	**0.00089**		0.000071	0.000070	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-86/87/97/108/119/125	**0.0013**	**B**	0.00014	0.000071	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-88/91	**0.00052**	**G**	0.000082	0.000082	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-89	0.000090	U G	0.000090	0.000090	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-90/101/113	**0.0051**	**B G**	0.000072	0.000072	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-92	**0.00054**	**G**	0.000086	0.000086	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-93/100	0.000083	U G	0.000083	0.000083	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-107/124	**0.00022**	**G**	0.000065	0.000065	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-94	0.000088	U G	0.000088	0.000088	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-95	**0.0028**	**E B G**	0.000086	0.000086	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-96	**0.000020**	**J**	0.000024	0.000000075	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-98/102	**0.000075**	**G**	0.000075	0.000075	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1

Client Sample ID: SB-170(0-2')

Date Collected: 08/14/15 17:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-8

Matrix: Solid
Percent Solids: 83.7

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-99	**0.0023**	**B G**	0.000077	0.000077	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-103	0.000077	U G	0.000077	0.000077	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-104	**0.00000014**	**J**	0.000024	0.000000 87	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-105	**0.0027**	**E B G**	0.000070	0.000070	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-106	0.000069	U G	0.000069	0.000069	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-110/115	**0.0061**	**E B G**	0.000062	0.000062	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-109	**0.00046**	**G**	0.000065	0.000065	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-111	0.000057	U G	0.000057	0.000057	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-112	0.000057	U G	0.000057	0.000057	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-114	**0.00014**	**G**	0.000069	0.000069	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-118	**0.0061**	**E B G**	0.000062	0.000062	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-120	0.000062	U G	0.000062	0.000062	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-121	0.000061	U G	0.000061	0.000061	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-122	**0.000090**	**G**	0.000073	0.000073	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-123	**0.00011**	**G**	0.000063	0.000063	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-126	0.000084	U G	0.000084	0.000084	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-127	0.000075	U G	0.000075	0.000075	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-128/166	**0.0019**		0.000047	0.000025	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-129/138/163	**0.0095**	**E B**	0.000071	0.000025	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-130	**0.00056**	**G**	0.000031	0.000031	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-131	**0.000095**	**G**	0.000029	0.000029	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-132	**0.0019**	**B G**	0.000027	0.000027	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-133	**0.000083**	**G**	0.000027	0.000027	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-134/143	**0.00036**		0.000047	0.000028	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-135/151	**0.0013**		0.000047	0.000026	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-136	**0.00057**		0.000024	0.000019	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-137	**0.00039**	**G**	0.000027	0.000027	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-139/140	**0.000099**		0.000047	0.000025	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-141	**0.00095**	**G**	0.000026	0.000026	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-142	0.000026	U G	0.000026	0.000026	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-144	0.000025	U G	0.000025	0.000025	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-145	0.000018	U	0.000024	0.000018	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-146	**0.00092**	**G**	0.000026	0.000026	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-147/149	**0.0035**	**B**	0.000047	0.000025	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-148	0.000024	U	0.000024	0.000024	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-150	0.000017	U	0.000024	0.000017	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-152	0.000018	U	0.000024	0.000018	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-153/168	**0.0052**	**E B**	0.000047	0.000021	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-154	**0.000050**		0.000024	0.000022	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-155	0.000018	U	0.000024	0.000018	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-156/157	**0.0016**	**B G**	0.000012	0.000012	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-158	**0.0010**		0.000024	0.000020	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-159	0.0000089	U	0.000024	0.0000089	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-160	0.000024	U	0.000024	0.000024	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-161	0.000019	U	0.000024	0.000019	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-162	**0.000055**		0.000024	0.0000082	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-164	**0.00049**		0.000024	0.000020	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-165	0.000023	U	0.000024	0.000023	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-167	**0.00047**	**G**	0.0000078	0.0000078	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1

Client Sample ID: SB-170(0-2')

Date Collected: 08/14/15 17:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-8

Matrix: Solid
Percent Solids: 83.7

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-169	0.000011	U G	0.000011	0.000011	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-170	**0.0013**		0.000024	0.0000025	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-171/173	**0.00038**		0.000047	0.0000022	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-172	**0.00019**		0.000024	0.0000023	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-174	**0.00084**		0.000024	0.0000021	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-175	**0.000033**		0.000024	0.00000060	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-176	**0.000075**		0.000024	0.00000041	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-177	**0.00059**		0.000024	0.0000022	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-178	**0.00014**		0.000024	0.00000060	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-179	**0.00025**		0.000024	0.00000044	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-180/193	**0.0020**	**B**	0.000047	0.0000019	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-181	**0.000029**		0.000024	0.0000020	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-182	**0.0000093**	**J**	0.000024	0.00000054	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-183	**0.00049**		0.000024	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-184	**0.0000010**	**J**	0.000024	0.00000044	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-185	**0.000061**		0.000024	0.0000020	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-186	0.00000043	U	0.000024	0.00000043	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-187	**0.00078**		0.000024	0.00000057	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-188	**0.0000015**	**J**	0.000024	0.00000043	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-189	**0.000059**		0.0000024	0.00000040	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-190	**0.00025**		0.000024	0.0000018	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-191	**0.000053**		0.000024	0.0000017	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-192	0.0000018	U	0.000024	0.0000018	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-194	**0.00027**		0.000024	0.00000045	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-195	**0.00010**		0.000024	0.00000041	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-196	**0.00012**		0.000024	0.0000045	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-197	**0.0000083**	**J**	0.000024	0.0000029	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-198/199	**0.00030**		0.000047	0.0000046	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-200	**0.000032**		0.000024	0.0000029	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-201	**0.000028**		0.000024	0.0000028	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-202	**0.000059**		0.000024	0.0000029	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-203	**0.00018**		0.000024	0.0000043	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-204	0.0000029	U	0.000024	0.0000029	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-205	**0.000016**	**J**	0.000024	0.00000040	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-206	**0.00012**	**B**	0.000024	0.00000021	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-207	**0.000012**	**J**	0.000024	0.00000015	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1
PCB-208	**0.000033**		0.000024	0.00000019	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1

Client Sample ID: SB-170(0-2')

Date Collected: 08/14/15 17:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-8

Matrix: Solid
Percent Solids: 83.7

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-209	0.000048	B	0.000024	0.00000011	mg/Kg	☼	09/03/15 10:55	09/08/15 22:31	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*37*		*5 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-3L	*46*		*5 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-4L	*42*		*5 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-15L	*59*		*5 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-19L	*44*		*5 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-37L	*56*		*5 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-54L	*49*		*5 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-77L	*95*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-81L	*89*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-104L	*65*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-105L	*106*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-114L	*104*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-118L	*103*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-123L	*102*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-126L	*114*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-155L	*74*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-156L/157L	*105*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-167L	*103*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-169L	*112*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-188L	*76*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-189L	*86*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-202L	*82*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-205L	*82*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-206L	*97*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-208L	*82*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-209L	*82*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-28L	*69*		*5 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-111L	*103*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*
PCB-178L	*78*		*10 - 145*	*09/03/15 10:55*	*09/08/15 22:31*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.000000076	J q	0.0000012	0.000000049	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,7,8-PeCDD	0.00000056	J	0.0000059	0.000000069	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,7,8-PeCDF	0.00000043	J	0.0000059	0.00000014	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
2,3,4,7,8-PeCDF	0.00000066	J	0.0000059	0.00000014	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,4,7,8-HxCDD	0.00000092	J	0.0000059	0.000000056	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,6,7,8-HxCDD	0.0000027	J	0.0000059	0.000000054	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,7,8,9-HxCDD	0.0000029	J	0.0000059	0.000000048	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1

Client Sample ID: SB-170(0-2')

Date Collected: 08/14/15 17:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-8

Matrix: Solid
Percent Solids: 83.7

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3,4,7,8-HxCDF	0.0000014	J	0.0000059	0.000000078	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,6,7,8-HxCDF	0.0000011	J	0.0000059	0.000000071	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,7,8,9-HxCDF	0.000000081	U	0.0000059	0.000000081	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
2,3,4,6,7,8-HxCDF	0.00000098	J	0.0000059	0.000000077	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,4,6,7,8-HpCDD	0.000076	B	0.0000059	0.00000041	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,4,6,7,8-HpCDF	0.000017	B	0.0000059	0.00000017	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
1,2,3,4,7,8,9-HpCDF	0.0000011	J	0.0000059	0.00000021	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
OCDD	0.0016	B	0.000012	0.00000086	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
OCDF	0.000035	B	0.000012	0.000000046	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
Total TCDD	0.0000036	q	0.0000012	0.000000049	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
Total TCDF	0.0000071	q	0.0000012	0.000000063	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
Total PeCDD	0.0000062	q	0.0000059	0.000000069	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
Total PeCDF	0.000010		0.0000059	0.00000014	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
Total HxCDD	0.000027		0.0000059	0.000000053	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
Total HxCDF	0.000020		0.0000059	0.000000077	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
Total HpCDD	0.00017	B	0.0000059	0.00000041	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1
Total HpCDF	0.000048	B	0.0000059	0.00000019	mg/Kg	☼	08/20/15 14:48	08/26/15 16:38	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*94*		*40 - 135*	*08/20/15 14:48*	*08/26/15 16:38*	*1*
13C-2,3,7,8-TCDF	*94*		*40 - 135*	*08/20/15 14:48*	*08/26/15 16:38*	*1*
13C-1,2,3,7,8-PeCDD	*101*		*40 - 135*	*08/20/15 14:48*	*08/26/15 16:38*	*1*
13C-1,2,3,7,8-PeCDF	*97*		*40 - 135*	*08/20/15 14:48*	*08/26/15 16:38*	*1*
13C-1,2,3,6,7,8-HxCDD	*91*		*40 - 135*	*08/20/15 14:48*	*08/26/15 16:38*	*1*
13C-1,2,3,4,7,8-HxCDF	*91*		*40 - 135*	*08/20/15 14:48*	*08/26/15 16:38*	*1*
13C-1,2,3,4,6,7,8-HpCDD	*107*		*40 - 135*	*08/20/15 14:48*	*08/26/15 16:38*	*1*
13C-1,2,3,4,6,7,8-HpCDF	*99*		*40 - 135*	*08/20/15 14:48*	*08/26/15 16:38*	*1*
13C-OCDD	*116*		*40 - 135*	*08/20/15 14:48*	*08/26/15 16:38*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) - RA

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDF	0.00000077	J	0.0000012	0.00000034	mg/Kg	☼	08/20/15 14:48	08/26/15 22:46	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDF	*102*		*40 - 135*	*08/20/15 14:48*	*08/26/15 22:46*	*1*

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-170(0-2')

Date Collected: 08/14/15 17:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-8

Matrix: Solid
Percent Solids: 83.7

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.078		0.0000020	0.00000020	mg/Kg			09/12/15 10:06	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-171(0-2')

Date Collected: 08/14/15 17:40
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-9

Matrix: Solid
Percent Solids: 69.6

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.014	U	0.047	0.014	mg/Kg	☼	08/20/15 12:20	08/22/15 01:46	1
PCB-1260	0.014	U	0.047	0.014	mg/Kg	☼	08/20/15 12:20	08/22/15 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*	*X*	*54 - 133*	*08/20/15 12:20*	*08/22/15 01:46*	*1*
Tetrachloro-m-xylene	*77*		*46 - 130*	*08/20/15 12:20*	*08/22/15 01:46*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	**0.0000029**	**J**	0.00023	0.0000020	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-2	**0.0000048**	**J**	0.00023	0.0000021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-3	**0.0000040**	**J**	0.00023	0.0000020	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-4	0.000020	U	0.00023	0.000020	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-5	0.000019	U	0.00023	0.000019	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-6	0.000018	U	0.00023	0.000018	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-7	0.000017	U	0.00023	0.000017	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-8	0.000016	U	0.00023	0.000016	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-9	0.000020	U	0.00023	0.000020	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-10	0.000013	U	0.00023	0.000013	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-11	**0.000077**	**J**	0.00023	0.000019	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-12/13	0.000018	U	0.00045	0.000018	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-14	0.000016	U	0.00023	0.000016	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-15	0.000019	U	0.00023	0.000019	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-16	**0.000030**	**J**	0.00023	0.0000040	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-17	**0.000027**	**J**	0.00023	0.0000034	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-18/30	**0.000057**	**J**	0.00045	0.0000030	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-19	**0.0000063**	**J**	0.00023	0.0000031	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-20/28	**0.00013**	**J B**	0.00045	0.0000095	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-21/33	**0.000064**	**J B**	0.00045	0.0000083	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-22	**0.000043**	**J B**	0.00023	0.000010	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-23	0.0000086	U	0.00023	0.0000086	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-24	0.0000027	U	0.00023	0.0000027	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-25	**0.000015**	**J**	0.00023	0.0000085	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-26/29	**0.000026**	**J**	0.00045	0.0000091	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-27	**0.0000057**	**J**	0.00023	0.0000027	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-31	**0.00025**	**B**	0.00023	0.0000085	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-32	**0.000022**	**J**	0.00023	0.0000024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-34	0.0000096	U	0.00023	0.0000096	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-35	**0.000017**	**J**	0.00023	0.0000099	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-36	**0.000062**	**J**	0.00023	0.0000093	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-37	**0.00010**	**J**	0.00023	0.000014	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-38	0.0000098	U	0.00023	0.0000098	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-39	0.0000089	U	0.00023	0.0000089	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-40/71	0.000021	U	0.00045	0.000021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-41	**0.000034**	**J B**	0.00023	0.000026	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-42	**0.00028**	**B**	0.00023	0.000021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-43	**0.00014**	**J**	0.00023	0.000024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-44/47/65	**0.0050**	**B**	0.00068	0.000021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-45	**0.000097**	**J**	0.00023	0.000027	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-46	**0.000042**	**J**	0.00023	0.000026	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1

Client Sample ID: SB-171(0-2')

Date Collected: 08/14/15 17:40
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-9

Matrix: Solid
Percent Solids: 69.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-48	**0.00018**	**J**	0.00023	0.000021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-49/69	**0.0031**	**B**	0.00045	0.000019	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-50/53	**0.00025**	**J**	0.00045	0.000023	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-51	**0.000027**	**J B**	0.00023	0.000021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-52	**0.018**	**B**	0.00023	0.000024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-54	0.0000013	U	0.00023	0.0000013	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-55	0.00011	U	0.00023	0.00011	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-56	**0.00048**		0.00023	0.00013	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-57	0.00012	U	0.00023	0.00012	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-58	**0.00068**		0.00023	0.00012	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-59/62/75	**0.000083**	**J**	0.00068	0.000016	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-60	**0.0012**		0.00023	0.00012	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-61/70/74/76	**0.019**	**B**	0.00091	0.00012	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-63	**0.00018**	**J**	0.00023	0.00011	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-64	0.000015	U	0.00023	0.000015	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-66	**0.0075**	**B**	0.00023	0.00014	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-67	0.00011	U	0.00023	0.00011	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-68	0.00011	U	0.00023	0.00011	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-72	0.00012	U	0.00023	0.00012	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-73	0.000018	U	0.00023	0.000018	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-77	**0.00080**	**G**	0.00043	0.00043	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-78	**0.00043**		0.00023	0.00013	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-79	**0.0011**		0.00023	0.00012	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-80	0.00011	U	0.00023	0.00011	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-81	0.00026	U G	0.00026	0.00026	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-82	0.00037	U G	0.00037	0.00037	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-83	**0.00070**	**G**	0.00044	0.00044	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-84	**0.0038**	**G**	0.00037	0.00037	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-85/116/117	**0.0041**		0.00068	0.00028	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-86/87/97/108/119/125	**0.0034**	**B**	0.0014	0.00028	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-88/91	**0.0018**		0.00045	0.00032	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-89	0.00035	U G	0.00035	0.00035	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-90/101/113	**0.021**	**B**	0.00068	0.00028	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-92	0.00034	U G	0.00034	0.00034	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-93/100	0.00033	U	0.00045	0.00033	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-107/124	**0.0015**		0.00045	0.00026	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-94	0.00035	U G	0.00035	0.00035	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-95	**0.0080**	**B G**	0.00034	0.00034	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-96	**0.000055**	**J**	0.00023	0.00000068	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-98/102	0.00030	U	0.00045	0.00030	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-99	**0.011**	**B G**	0.00031	0.00031	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-103	0.00031	U G	0.00031	0.00031	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-104	0.00000084	U	0.00023	0.00000084	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-105	**0.018**	**B G**	0.00027	0.00027	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-106	0.00027	U G	0.00027	0.00027	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-110/115	**0.031**	**B**	0.00045	0.00024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-109	**0.0028**	**G**	0.00026	0.00026	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-111	0.00023	U	0.00023	0.00023	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1

Client Sample ID: SB-171(0-2')

Date Collected: 08/14/15 17:40
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-9

Matrix: Solid
Percent Solids: 69.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-112	0.00023	U	0.00023	0.00023	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-114	**0.00062**	**G**	0.00028	0.00028	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-118	**0.040**	**E B G**	0.00024	0.00024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-120	0.00025	U G	0.00025	0.00025	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-121	0.00024	U G	0.00024	0.00024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-122	**0.00059**	**G**	0.00029	0.00029	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-123	**0.00060**	**G**	0.00024	0.00024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-126	0.00037	U G	0.00037	0.00037	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-127	0.00030	U G	0.00030	0.00030	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-128/166	**0.0072**		0.00045	0.00024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-129/138/163	**0.040**	**B**	0.00068	0.00024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-130	**0.0021**	**G**	0.00029	0.00029	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-131	**0.00035**	**G**	0.00028	0.00028	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-132	**0.0084**	**B G**	0.00026	0.00026	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-133	**0.00033**	**G**	0.00025	0.00025	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-134/143	**0.017**		0.00045	0.00026	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-135/151	**0.0040**		0.00045	0.00024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-136	**0.0021**		0.00023	0.00018	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-137	**0.0019**	**G**	0.00025	0.00025	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-139/140	**0.00046**		0.00045	0.00023	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-141	**0.0043**	**G**	0.00024	0.00024	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-142	0.00025	U G	0.00025	0.00025	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-144	0.00023	U	0.00023	0.00023	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-145	0.00017	U	0.00023	0.00017	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-146	**0.0037**	**G**	0.00025	0.00025	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-147/149	0.00023	U	0.00045	0.00023	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-148	0.00023	U	0.00023	0.00023	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-150	0.00016	U	0.00023	0.00016	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-152	0.00017	U	0.00023	0.00017	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-153/168	**0.022**	**B**	0.00045	0.00020	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-154	**0.0015**		0.00023	0.00021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-155	0.00016	U	0.00023	0.00016	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-156/157	**0.0067**	**B G**	0.000064	0.000064	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-158	**0.0038**		0.00023	0.00018	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-159	0.000048	U	0.00023	0.000048	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-160	0.00022	U	0.00023	0.00022	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-161	0.00018	U	0.00023	0.00018	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-162	**0.00020**	**J**	0.00023	0.000044	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-164	**0.0022**		0.00023	0.00019	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-165	0.00021	U	0.00023	0.00021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-167	**0.0019**	**G**	0.000044	0.000044	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-169	0.000064	U G	0.000064	0.000064	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-170	**0.0050**		0.00023	0.000010	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-171/173	**0.0014**		0.00045	0.0000089	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-172	**0.00065**		0.00023	0.0000092	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-174	**0.0033**		0.00023	0.0000086	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-175	**0.00011**	**J**	0.00023	0.0000028	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-176	**0.00028**		0.00023	0.0000019	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-177	**0.0021**		0.00023	0.0000090	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1

Client Sample ID: SB-171(0-2')

Date Collected: 08/14/15 17:40
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-9

Matrix: Solid
Percent Solids: 69.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-178	0.00046		0.00023	0.0000029	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-179	0.00090		0.00023	0.0000021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-180/193	0.0069	B	0.00045	0.0000077	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-181	0.00010	J	0.00023	0.0000080	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-182	0.0000026	U	0.00023	0.0000026	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-183	0.0016		0.00023	0.0000070	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-184	0.0000021	U	0.00023	0.0000021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-185	0.00027		0.00023	0.0000080	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-186	0.0000020	U	0.00023	0.0000020	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-187	0.0027		0.00023	0.0000027	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-188	0.0000020	U	0.00023	0.0000020	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-189	0.00020		0.000023	0.0000035	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-190	0.00094		0.00023	0.0000073	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-191	0.00018	J	0.00023	0.0000070	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-192	0.0000073	U	0.00023	0.0000073	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-194	0.00080		0.00023	0.0000031	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-195	0.00028		0.00023	0.0000028	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-196	0.00036		0.00023	0.0000022	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-197	0.000027	J	0.00023	0.0000014	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-198/199	0.00088		0.00045	0.0000023	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-200	0.00010	J	0.00023	0.0000014	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-201	0.000094	J	0.00023	0.0000014	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-202	0.00015	J	0.00023	0.0000014	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-203	0.00054		0.00023	0.0000021	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-204	0.0000014	U	0.00023	0.0000014	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-205	0.000045	J	0.00023	0.0000027	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-206	0.00036	B	0.00023	0.0000015	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-207	0.000033	J	0.00023	0.0000011	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-208	0.000089	J	0.00023	0.0000015	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1
PCB-209	0.00011	J B	0.00023	0.0000013	mg/Kg	☼	09/03/15 10:55	09/09/15 01:01	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*38*		*5 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-3L	*46*		*5 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-4L	*42*		*5 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-15L	*58*		*5 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-19L	*46*		*5 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-37L	*41*		*5 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-54L	*45*		*5 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-77L	*18*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-81L	*27*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-104L	*59*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-105L	*95*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-114L	*91*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-118L	*94*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-123L	*93*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-126L	*100*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-155L	*72*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-156L/157L	*105*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*
PCB-167L	*101*		*10 - 145*	*09/03/15 10:55*	*09/09/15 01:01*	*1*

Client Sample ID: SB-171(0-2')

Date Collected: 08/14/15 17:40
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-9

Matrix: Solid
Percent Solids: 69.6

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-169L	108		10 - 145	09/03/15 10:55	09/09/15 01:01	1
PCB-188L	72		10 - 145	09/03/15 10:55	09/09/15 01:01	1
PCB-189L	81		10 - 145	09/03/15 10:55	09/09/15 01:01	1
PCB-202L	80		10 - 145	09/03/15 10:55	09/09/15 01:01	1
PCB-205L	82		10 - 145	09/03/15 10:55	09/09/15 01:01	1
PCB-206L	104		10 - 145	09/03/15 10:55	09/09/15 01:01	1
PCB-208L	79		10 - 145	09/03/15 10:55	09/09/15 01:01	1
PCB-209L	85		10 - 145	09/03/15 10:55	09/09/15 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	71		5 - 145	09/03/15 10:55	09/09/15 01:01	1
PCB-111L	87		10 - 145	09/03/15 10:55	09/09/15 01:01	1
PCB-178L	77		10 - 145	09/03/15 10:55	09/09/15 01:01	1

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000025	U	0.0000072	0.00000025	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
2,3,7,8-TCDF	**0.0000030**	**J**	0.0000072	0.00000038	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,7,8-PeCDD	0.00000057	U	0.000036	0.00000057	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,7,8-PeCDF	0.00000062	U	0.000036	0.00000062	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
2,3,4,7,8-PeCDF	**0.0000017**	**J**	0.000036	0.00000065	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,4,7,8-HxCDD	**0.0000029**	**J**	0.000036	0.00000049	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,6,7,8-HxCDD	**0.0000070**	**J**	0.000036	0.00000042	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,7,8,9-HxCDD	**0.0000077**	**J q**	0.000036	0.00000040	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,4,7,8-HxCDF	**0.0000037**	**J**	0.000036	0.00000061	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,6,7,8-HxCDF	**0.0000032**	**J**	0.000036	0.00000053	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,7,8,9-HxCDF	0.00000063	U	0.000036	0.00000063	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
2,3,4,6,7,8-HxCDF	**0.0000033**	**J**	0.000036	0.00000059	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,4,6,7,8-HpCDD	**0.00021**	**B**	0.000036	0.0000046	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,4,6,7,8-HpCDF	**0.000060**	**B**	0.000036	0.0000013	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
1,2,3,4,7,8,9-HpCDF	0.0000016	U	0.000036	0.0000016	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
OCDD	**0.0032**	**B**	0.000072	0.000023	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
OCDF	**0.00010**	**B**	0.000072	0.00000090	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
Total TCDD	**0.0000015**	**J q**	0.0000072	0.00000025	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
Total TCDF	**0.000024**	**q**	0.0000072	0.00000038	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
Total PeCDD	**0.0000054**	**J q**	0.000036	0.00000057	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
Total PeCDF	**0.000039**	**q**	0.000036	0.00000064	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-171(0-2')

Date Collected: 08/14/15 17:40
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-9

Matrix: Solid
Percent Solids: 69.6

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Analyte	Result	Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
Total HxCDD	0.000064	q	0.000036	0.00000044	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
Total HxCDF	0.000070	q	0.000036	0.00000059	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
Total HpCDD	0.00043	B	0.000036	0.0000046	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5
Total HpCDF	0.00014	B	0.000036	0.0000015	mg/Kg	☼	08/20/15 14:48	08/28/15 05:35	5

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*90*		*40 - 135*	*08/20/15 14:48*	*08/28/15 05:35*	*5*
13C-2,3,7,8-TCDF	*96*		*40 - 135*	*08/20/15 14:48*	*08/28/15 05:35*	*5*
13C-1,2,3,7,8-PeCDD	*97*		*40 - 135*	*08/20/15 14:48*	*08/28/15 05:35*	*5*
13C-1,2,3,7,8-PeCDF	*100*		*40 - 135*	*08/20/15 14:48*	*08/28/15 05:35*	*5*
13C-1,2,3,6,7,8-HxCDD	*101*		*40 - 135*	*08/20/15 14:48*	*08/28/15 05:35*	*5*
13C-1,2,3,4,7,8-HxCDF	*87*		*40 - 135*	*08/20/15 14:48*	*08/28/15 05:35*	*5*
13C-1,2,3,4,6,7,8-HpCDD	*101*		*40 - 135*	*08/20/15 14:48*	*08/28/15 05:35*	*5*
13C-1,2,3,4,6,7,8-HpCDF	*101*		*40 - 135*	*08/20/15 14:48*	*08/28/15 05:35*	*5*
13C-OCDD	*101*		*40 - 135*	*08/20/15 14:48*	*08/28/15 05:35*	*5*

Method: None - Total PCB Calculation from HRMS PCB-Congeners

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Polychlorinated biphenyls, Total	0.37		0.0000020	0.00000020	mg/Kg			09/12/15 10:06	1

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-169(0-2')

Lab Sample ID: 680-115695-5

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = ½ NONE TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000055	TEQ
Total PCB TEQ					mg/Kg		0.00000023	TEQ
Total TEQ					mg/Kg		0.0000057	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
PCB-77	**0.0000011**	**J**	0.0000024	0.00000026	mg/Kg	0.0001	**0**	1668C
PCB-81	0.00000027	U	0.0000024	0.00000027	mg/Kg	0.0003	0	1668C
PCB-105	**0.000021**	**B**	0.0000024	0.00000071	mg/Kg	0.00003	**0.000000001**	1668C
PCB-114	**0.00000093**	**J**	0.0000024	0.00000065	mg/Kg	0.00003	**0**	1668C
PCB-118	**0.000046**	**B**	0.0000024	0.00000063	mg/Kg	0.00003	**0.000000001**	1668C
PCB-123	**0.0000012**	**J**	0.0000024	0.00000061	mg/Kg	0.00003	**0**	1668C
PCB-126	**0.0000019**	**J**	0.0000024	0.00000079	mg/Kg	0.1	**0.00000019**	1668C
PCB-156/157	**0.000016**	**B**	0.0000049	0.00000028	mg/Kg	0.00003	**0**	1668C
PCB-167	**0.0000054**		0.0000024	0.00000022	mg/Kg	0.00003	**0**	1668C
PCB-169	0.00000027	U	0.0000024	0.00000027	mg/Kg	0.03	0.000000036	1668C
PCB-189	**0.00000081**	**J**	0.0000024	0.00000016	mg/Kg	0.00003	**0**	1668C
2,3,7,8-TCDD	**0.000000076**	**J q**	0.0000012	0.00000034	mg/Kg	1	**0.000000076**	8290A
2,3,7,8-TCDF	**0.00000030**	**J**	0.0000012	0.00000038	mg/Kg	0.1	**0.000000030**	8290A
1,2,3,7,8-PeCDD	**0.00000032**	**J**	0.0000060	0.00000059	mg/Kg	1	**0.00000032**	8290A
1,2,3,7,8-PeCDF	0.000000069	U	0.0000060	0.00000069	mg/Kg	0.03	0.000000090	8290A
2,3,4,7,8-PeCDF	**0.00000033**	**J**	0.0000060	0.00000071	mg/Kg	0.3	**0.000000099**	8290A
1,2,3,4,7,8-HxCDD	**0.00000058**	**J**	0.0000060	0.00000077	mg/Kg	0.1	**0.000000058**	8290A
1,2,3,6,7,8-HxCDD	**0.0000014**	**J**	0.0000060	0.00000075	mg/Kg	0.1	**0.00000014**	8290A
1,2,3,7,8,9-HxCDD	**0.0000011**	**J**	0.0000060	0.00000066	mg/Kg	0.1	**0.00000011**	8290A
1,2,3,4,7,8-HxCDF	**0.00000063**	**J**	0.0000060	0.00000011	mg/Kg	0.1	**0.000000063**	8290A
1,2,3,6,7,8-HxCDF	**0.00000033**	**J**	0.0000060	0.00000099	mg/Kg	0.1	**0.000000033**	8290A
1,2,3,7,8,9-HxCDF	0.00000011	U	0.0000060	0.00000011	mg/Kg	0.1	0.00000030	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-169(0-2') (Continued) — Lab Sample ID: 680-115695-5

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	WHO 2005 ND = ½ RL TEQ	Method
2,3,4,6,7,8-HxCDF	**0.00000035**	**J**	0.0000060	0.00000011	mg/Kg	0.1	**0.000000035**	8290A
1,2,3,4,6,7,8-HpCDD	**0.000071**	**B**	0.0000060	0.0000011	mg/Kg	0.01	**0.00000071**	8290A
1,2,3,4,6,7,8-HpCDF	**0.0000059**	**J B**	0.0000060	0.000000076	mg/Kg	0.01	**0.000000059**	8290A
1,2,3,4,7,8,9-HpCDF	0.000000094	U	0.0000060	0.000000094	mg/Kg	0.01	0.000000030	8290A
OCDD	**0.011**	**E B**	0.000012	0.0000055	mg/Kg	0.0003	**0.0000033**	8290A
OCDF	**0.000016**	**B**	0.000012	0.000000043	mg/Kg	0.0003	**0.000000005**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = ½ RL TEF	WHO 2005 ND = ½ RL TEQ	Method
Polychlorinated biphenyls, Total	0.00078		0.0000020	0.00000020	mg/Kg		0.00000023	None

Client Sample ID: SB-169(2-4') — Lab Sample ID: 680-115695-6

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = ½ NONE TEF	WHO 2005 ND = ½ NONE TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000058	TEQ
Total PCB TEQ					mg/Kg		0.00000017	TEQ
Total TEQ					mg/Kg		0.0000059	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	WHO 2005 ND = ½ RL TEQ	Method
PCB-77	**0.00000039**	**J**	0.0000025	0.00000023	mg/Kg	0.0001	**0**	1668C
PCB-81	0.00000059	U	0.0000025	0.00000059	mg/Kg	0.0003	0	1668C
PCB-105	**0.000016**	**B**	0.0000025	0.00000079	mg/Kg	0.00003	**0**	1668C
PCB-114	**0.00000098**	**J**	0.0000025	0.00000070	mg/Kg	0.00003	**0**	1668C
PCB-118	**0.000039**	**B**	0.0000025	0.00000071	mg/Kg	0.00003	**0.000000001**	1668C
PCB-123	**0.0000011**	**J**	0.0000025	0.00000089	mg/Kg	0.00003	**0**	1668C
PCB-126	0.00000095	U	0.0000025	0.00000095	mg/Kg	0.1	0.00000013	1668C
PCB-156/157	**0.000011**	**B**	0.0000049	0.00000030	mg/Kg	0.00003	**0**	1668C
PCB-167	**0.0000031**		0.0000025	0.00000020	mg/Kg	0.00003	**0**	1668C
PCB-169	0.00000029	U	0.0000025	0.00000029	mg/Kg	0.03	0.000000038	1668C

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Client Sample ID: SB-169(2-4') (Continued) — Lab Sample ID: 680-115695-6

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
PCB-189	**0.00000049**	**J**	0.0000025	0.00000014	mg/Kg	0.00003	**0**	1668C
2,3,7,8-TCDD	**0.000000074**	**J q**	0.0000012	0.000000044	mg/Kg	1	**0.000000074**	8290A
2,3,7,8-TCDF	0.000000036	U	0.0000012	0.000000036	mg/Kg	0.1	0.000000060	8290A
1,2,3,7,8-PeCDD	**0.00000025**	**J**	0.0000061	0.000000072	mg/Kg	1	**0.00000025**	8290A
1,2,3,7,8-PeCDF	0.000000039	U	0.0000061	0.000000039	mg/Kg	0.03	0.000000092	8290A
2,3,4,7,8-PeCDF	0.000000041	U	0.0000061	0.000000041	mg/Kg	0.3	0.00000092	8290A
1,2,3,4,7,8-HxCDD	**0.00000046**	**J**	0.0000061	0.000000064	mg/Kg	0.1	**0.000000046**	8290A
1,2,3,6,7,8-HxCDD	**0.00000051**	**J**	0.0000061	0.000000062	mg/Kg	0.1	**0.000000051**	8290A
1,2,3,7,8,9-HxCDD	**0.0000012**	**J**	0.0000061	0.000000054	mg/Kg	0.1	**0.00000012**	8290A
1,2,3,4,7,8-HxCDF	**0.00000034**	**J**	0.0000061	0.000000027	mg/Kg	0.1	**0.000000034**	8290A
1,2,3,6,7,8-HxCDF	**0.000000061**	**J q**	0.0000061	0.000000024	mg/Kg	0.1	**0.000000006**	8290A
1,2,3,7,8,9-HxCDF	0.000000028	U	0.0000061	0.000000028	mg/Kg	0.1	0.00000031	8290A
2,3,4,6,7,8-HxCDF	0.000000026	U	0.0000061	0.000000026	mg/Kg	0.1	0.00000031	8290A
1,2,3,4,6,7,8-HpCDD	**0.000047**	**B**	0.0000061	0.0000015	mg/Kg	0.01	**0.00000047**	8290A
1,2,3,4,6,7,8-HpCDF	**0.00000025**	**J B**	0.0000061	0.000000037	mg/Kg	0.01	**0.000000003**	8290A
1,2,3,4,7,8,9-HpCDF	0.000000045	U	0.0000061	0.000000045	mg/Kg	0.01	0.000000031	8290A
OCDD	**0.010**	**E B**	0.000012	0.0000049	mg/Kg	0.0003	**0.0000030**	8290A
OCDF	**0.00000088**	**J B**	0.000012	0.000000042	mg/Kg	0.0003	**0**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
Polychlorinated biphenyls, Total	0.00069		0.0000020	0.00000020	mg/Kg		0.00000017	None

Client Sample ID: SB-172(0-2') — Lab Sample ID: 680-115695-7

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = ½ NONE TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000037	TEQ
Total PCB TEQ					mg/Kg		0.0000026	TEQ
Total TEQ					mg/Kg		0.0000063	TEQ

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-172(0-2') (Continued)

Lab Sample ID: 680-115695-7

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
PCB-77	0.000074		0.000021	0.0000025	mg/Kg	0.0001	0.000000007	1668C
PCB-81	0.000014	J	0.000021	0.0000023	mg/Kg	0.0003	0.000000004	1668C
PCB-105	0.0011	B G	0.000037	0.000037	mg/Kg	0.00003	0.000000033	1668C
PCB-114	0.000035	G	0.000035	0.000035	mg/Kg	0.00003	0.000000001	1668C
PCB-118	0.0026	B G	0.000033	0.000033	mg/Kg	0.00003	0.000000078	1668C
PCB-123	0.000038	G	0.000032	0.000032	mg/Kg	0.00003	0.000000001	1668C
PCB-126	0.000042	U G	0.000042	0.000042	mg/Kg	0.1	0.0000021	1668C
PCB-156/157	0.00057	B	0.000042	0.0000064	mg/Kg	0.00003	0.000000017	1668C
PCB-167	0.00017		0.000021	0.0000042	mg/Kg	0.00003	0.000000005	1668C
PCB-169	0.0000055	U	0.000021	0.0000055	mg/Kg	0.03	0.00000032	1668C
PCB-189	0.000022		0.000021	0.0000015	mg/Kg	0.00003	0.000000001	1668C
2,3,7,8-TCDD	0.00000013	J q	0.0000012	0.000000063	mg/Kg	1	0.00000013	8290A
1,2,3,7,8-PeCDD	0.00000071	J	0.0000060	0.00000014	mg/Kg	1	0.00000071	8290A
1,2,3,7,8-PeCDF	0.00000061	J q	0.0000060	0.000000084	mg/Kg	0.03	0.000000018	8290A
2,3,4,7,8-PeCDF	0.00000070	J	0.0000060	0.000000086	mg/Kg	0.3	0.00000021	8290A
1,2,3,4,7,8-HxCDD	0.0000014	J	0.0000060	0.00000013	mg/Kg	0.1	0.00000014	8290A
1,2,3,6,7,8-HxCDD	0.0000027	J	0.0000060	0.00000013	mg/Kg	0.1	0.00000027	8290A
1,2,3,7,8,9-HxCDD	0.0000049	J	0.0000060	0.00000011	mg/Kg	0.1	0.00000049	8290A
1,2,3,4,7,8-HxCDF	0.0000012	J	0.0000060	0.000000090	mg/Kg	0.1	0.00000012	8290A
1,2,3,6,7,8-HxCDF	0.00000073	J	0.0000060	0.000000082	mg/Kg	0.1	0.000000073	8290A
1,2,3,7,8,9-HxCDF	0.000000094	U	0.0000060	0.000000094	mg/Kg	0.1	0.00000030	8290A
2,3,4,6,7,8-HxCDF	0.00000049	J	0.0000060	0.000000088	mg/Kg	0.1	0.000000049	8290A
1,2,3,4,6,7,8-HpCDD	0.000064	B	0.0000060	0.00000032	mg/Kg	0.01	0.00000064	8290A
1,2,3,4,6,7,8-HpCDF	0.000012	B	0.0000060	0.00000012	mg/Kg	0.01	0.00000012	8290A
1,2,3,4,7,8,9-HpCDF	0.00000084	J	0.0000060	0.00000015	mg/Kg	0.01	0.000000008	8290A
OCDD	0.0010	B	0.000012	0.00000039	mg/Kg	0.0003	0.00000030	8290A
OCDF	0.000020	B	0.000012	0.000000043	mg/Kg	0.0003	0.000000006	8290A
2,3,7,8-TCDF - RA	0.0000015		0.0000012	0.00000044	mg/Kg	0.1	0.00000015	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Client Sample ID: SB-172(0-2') (Continued) — Lab Sample ID: 680-115695-7

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
Polychlorinated biphenyls, Total	0.033		0.0000020	0.00000020	mg/Kg		0.0000026	None

Client Sample ID: SB-170(0-2') — Lab Sample ID: 680-115695-8

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = ½ NONE TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.0000037	TEQ
Total PCB TEQ					mg/Kg		0.0000047	TEQ
Total TEQ					mg/Kg		0.0000084	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
PCB-77	**0.000083**	**G**	0.000011	0.000011	mg/Kg	0.0001	**0.000000008**	1668C
PCB-81	**0.000027**	**G**	0.0000089	0.0000089	mg/Kg	0.0003	**0.000000008**	1668C
PCB-105	**0.0027**	**E B G**	0.000070	0.000070	mg/Kg	0.00003	**0.000000081**	1668C
PCB-114	**0.00014**	**G**	0.000069	0.000069	mg/Kg	0.00003	**0.000000004**	1668C
PCB-118	**0.0061**	**E B G**	0.000062	0.000062	mg/Kg	0.00003	**0.00000018**	1668C
PCB-123	**0.00011**	**G**	0.000063	0.000063	mg/Kg	0.00003	**0.000000003**	1668C
PCB-126	0.000084	U G	0.000084	0.000084	mg/Kg	0.1	0.0000042	1668C
PCB-156/157	**0.0016**	**B G**	0.000012	0.000012	mg/Kg	0.00003	**0.000000048**	1668C
PCB-167	**0.00047**	**G**	0.0000078	0.0000078	mg/Kg	0.00003	**0.000000014**	1668C
PCB-169	0.000011	U G	0.000011	0.000011	mg/Kg	0.03	0.00000017	1668C
PCB-189	**0.000059**		0.0000024	0.00000040	mg/Kg	0.00003	**0.000000002**	1668C
2,3,7,8-TCDD	**0.000000076**	**J q**	0.0000012	0.000000049	mg/Kg	1	**0.000000076**	8290A
1,2,3,7,8-PeCDD	**0.00000056**	**J**	0.0000059	0.000000069	mg/Kg	1	**0.00000056**	8290A
1,2,3,7,8-PeCDF	**0.00000043**	**J**	0.0000059	0.00000014	mg/Kg	0.03	**0.000000013**	8290A
2,3,4,7,8-PeCDF	**0.00000066**	**J**	0.0000059	0.00000014	mg/Kg	0.3	**0.00000020**	8290A
1,2,3,4,7,8-HxCDD	**0.00000092**	**J**	0.0000059	0.000000056	mg/Kg	0.1	**0.000000092**	8290A
1,2,3,6,7,8-HxCDD	**0.0000027**	**J**	0.0000059	0.000000054	mg/Kg	0.1	**0.00000027**	8290A
1,2,3,7,8,9-HxCDD	**0.0000029**	**J**	0.0000059	0.000000048	mg/Kg	0.1	**0.00000029**	8290A
1,2,3,4,7,8-HxCDF	**0.0000014**	**J**	0.0000059	0.000000078	mg/Kg	0.1	**0.00000014**	8290A
1,2,3,6,7,8-HxCDF	**0.0000011**	**J**	0.0000059	0.000000071	mg/Kg	0.1	**0.00000011**	8290A
1,2,3,7,8,9-HxCDF	0.000000081	U	0.0000059	0.000000081	mg/Kg	0.1	0.00000030	8290A
2,3,4,6,7,8-HxCDF	**0.00000098**	**J**	0.0000059	0.000000077	mg/Kg	0.1	**0.000000098**	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-170(0-2') (Continued) — Lab Sample ID: 680-115695-8

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
1,2,3,4,6,7,8-HpCDD	**0.000076**	**B**	0.0000059	0.00000041	mg/Kg	0.01	**0.00000076**	8290A
1,2,3,4,6,7,8-HpCDF	**0.000017**	**B**	0.0000059	0.00000017	mg/Kg	0.01	**0.00000017**	8290A
1,2,3,4,7,8,9-HpCDF	**0.0000011**	**J**	0.0000059	0.00000021	mg/Kg	0.01	**).000000011**	8290A
OCDD	**0.0016**	**B**	0.000012	0.00000086	mg/Kg	0.0003	**0.00000048**	8290A
OCDF	**0.000035**	**B**	0.000012	0.000000046	mg/Kg	0.0003	**).000000011**	8290A
2,3,7,8-TCDF - RA	**0.00000077**	**J**	0.0000012	0.00000034	mg/Kg	0.1	**).000000077**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
Polychlorinated biphenyls, Total	0.078		0.0000020	0.00000020	mg/Kg		0.0000047	None

Client Sample ID: SB-171(0-2') — Lab Sample ID: 680-115695-9

Analyte	Result	Qualifier	NONE	NONE	Unit	WHO 2005 ND = ½ NONE TEF	TEQ	Method
Total Dioxin/Furan TEQ					mg/Kg		0.000031	TEQ
Total PCB TEQ					mg/Kg		0.000022	TEQ
Total TEQ					mg/Kg		0.000054	TEQ

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
PCB-77	**0.00080**	**G**	0.00043	0.00043	mg/Kg	0.0001	**).000000080**	1668C
PCB-81	0.00026	U G	0.00026	0.00026	mg/Kg	0.0003	0.000000039	1668C
PCB-105	**0.018**	**B G**	0.00027	0.00027	mg/Kg	0.00003	**0.00000054**	1668C
PCB-114	**0.00062**	**G**	0.00028	0.00028	mg/Kg	0.00003	**).000000019**	1668C
PCB-118	**0.040**	**E B G**	0.00024	0.00024	mg/Kg	0.00003	**0.0000012**	1668C
PCB-123	**0.00060**	**G**	0.00024	0.00024	mg/Kg	0.00003	**).000000018**	1668C
PCB-126	0.00037	U G	0.00037	0.00037	mg/Kg	0.1	0.000019	1668C
PCB-156/157	**0.0067**	**B G**	0.000064	0.000064	mg/Kg	0.00003	**0.00000020**	1668C
PCB-167	**0.0019**	**G**	0.000044	0.000044	mg/Kg	0.00003	**).000000057**	1668C
PCB-169	0.000064	U G	0.000064	0.000064	mg/Kg	0.03	0.00000096	1668C
PCB-189	**0.00020**		0.000023	0.0000035	mg/Kg	0.00003	**).000000006**	1668C
2,3,7,8-TCDD	0.00000025	U	0.0000072	0.00000025	mg/Kg	1	0.0000036	8290A
2,3,7,8-TCDF	**0.0000030**	**J**	0.0000072	0.00000038	mg/Kg	0.1	**0.00000030**	8290A
1,2,3,7,8-PeCDD	0.00000057	U	0.000036	0.00000057	mg/Kg	1	0.000018	8290A

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Toxicity Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-171(0-2') (Continued) — Lab Sample ID: 680-115695-9

Analyte	Result	Qualifier	RL	EDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
1,2,3,7,8-PeCDF	0.00000062	U	0.000036	0.00000062	mg/Kg	0.03	0.00000054	8290A
2,3,4,7,8-PeCDF	**0.0000017**	**J**	0.000036	0.00000065	mg/Kg	0.3	**0.00000051**	8290A
1,2,3,4,7,8-HxCDD	**0.0000029**	**J**	0.000036	0.00000049	mg/Kg	0.1	**0.00000029**	8290A
1,2,3,6,7,8-HxCDD	**0.0000070**	**J**	0.000036	0.00000042	mg/Kg	0.1	**0.00000070**	8290A
1,2,3,7,8,9-HxCDD	**0.0000077**	**J q**	0.000036	0.00000040	mg/Kg	0.1	**0.00000077**	8290A
1,2,3,4,7,8-HxCDF	**0.0000037**	**J**	0.000036	0.00000061	mg/Kg	0.1	**0.00000037**	8290A
1,2,3,6,7,8-HxCDF	**0.0000032**	**J**	0.000036	0.00000053	mg/Kg	0.1	**0.00000032**	8290A
1,2,3,7,8,9-HxCDF	0.00000063	U	0.000036	0.00000063	mg/Kg	0.1	0.0000018	8290A
2,3,4,6,7,8-HxCDF	**0.0000033**	**J**	0.000036	0.00000059	mg/Kg	0.1	**0.00000033**	8290A
1,2,3,4,6,7,8-HpCDD	**0.00021**	**B**	0.000036	0.0000046	mg/Kg	0.01	**0.0000021**	8290A
1,2,3,4,6,7,8-HpCDF	**0.000060**	**B**	0.000036	0.0000013	mg/Kg	0.01	**0.00000060**	8290A
1,2,3,4,7,8,9-HpCDF	0.0000016	U	0.000036	0.0000016	mg/Kg	0.01	0.00000018	8290A
OCDD	**0.0032**	**B**	0.000072	0.000023	mg/Kg	0.0003	**0.00000096**	8290A
OCDF	**0.00010**	**B**	0.000072	0.00000090	mg/Kg	0.0003	**0.000000030**	8290A

Analyte	Result	Qualifier	RL	MDL	Unit	WHO 2005 ND = ½ RL TEF	TEQ	Method
Polychlorinated biphenyls, Total	0.37		0.0000020	0.00000020	mg/Kg		0.000022	None

TEF Reference:
WHO 2005 = World Health Organization (WHO) 2005 TEF, Dioxins, Furans and PCB Congeners

Isotope Dilution Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

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)
680-115695-5	SB-169(0-2')	33	39	38	46	42	60	42	75
680-115695-6	SB-169(2-4')	27	44	44	60	49	68	48	62
680-115695-7	SB-172(0-2')	35	46	42	60	47	31	49	96
680-115695-8	SB-170(0-2')	37	46	42	59	44	56	49	95
680-115695-9	SB-171(0-2')	38	46	42	58	46	41	45	18
MB 320-84991/1-A	Method Blank	39	45	44	53	50	49	49	59

		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)
680-115695-5	SB-169(0-2')	72	54	78	78	78	77	86	65
680-115695-6	SB-169(2-4')	36	46	86	86	86	63	89	63
680-115695-7	SB-172(0-2')	94	59	101	99	99	98	111	63
680-115695-8	SB-170(0-2')	89	65	106	104	103	102	114	74
680-115695-9	SB-171(0-2')	27	59	95	91	94	93	100	72
MB 320-84991/1-A	Method Blank	62	57	75	71	73	72	76	61

		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)
680-115695-5	SB-169(0-2')	102	91	101	69	96	79	89	91
680-115695-6	SB-169(2-4')	96	96	105	64	90	72	92	91
680-115695-7	SB-172(0-2')	108	106	120	69	86	79	86	102
680-115695-8	SB-170(0-2')	105	103	112	76	86	82	82	97
680-115695-9	SB-171(0-2')	105	101	108	72	81	80	82	104
MB 320-84991/1-A	Method Blank	86	85	90	63	91	78	92	93

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	PCB-208L (10-145)	PCB-209L (10-145)
680-115695-5	SB-169(0-2')	77	66
680-115695-6	SB-169(2-4')	77	76
680-115695-7	SB-172(0-2')	82	88
680-115695-8	SB-170(0-2')	82	82
680-115695-9	SB-171(0-2')	79	85
MB 320-84991/1-A	Method Blank	77	69

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 320-84991/2-A	Lab Control Sample	31	60	48	70	62	54	46	57

		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 320-84991/2-A	Lab Control Sample	55	53	67	66	68	64	71	54

		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 320-84991/2-A	Lab Control Sample	79	77	86	50	81	62	84	82

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	**Client Sample ID**	**PCB-208L (40-145)**	**PCB-209L (40-145)**						
LCS 320-84991/2-A	Lab Control Sample	70	79						

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	TCDD (40-135)	TCDF (40-135)	PeCDD (40-135)	PeCDF1 (40-135)	HxCDD2 (40-135)	HxCDF1 (40-135)	HpCDD (40-135)	HpCDF1 (40-135)
680-115695-5	SB-169(0-2')	91	90	98	95	126	144 *	127	128
680-115695-6	SB-169(2-4')	91	92	96	94	98	92	101	100
680-115695-7	SB-172(0-2')	74	72	105	93	78	102	90	88
680-115695-7 - RA	SB-172(0-2')		97						
680-115695-8	SB-170(0-2')	94	94	101	97	91	91	107	99
680-115695-8 - RA	SB-170(0-2')		102						
680-115695-9	SB-171(0-2')	90	96	97	100	101	87	101	101
LCS 320-83561/2-A	Lab Control Sample	90	90	92	91	82	75	94	86
MB 320-83561/1-A	Method Blank	13 *	12 *	11 *	11 *	11 *	11 *	12 *	11 *

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OCDD (40-135)							
680-115695-5	SB-169(0-2')	154 *							
680-115695-6	SB-169(2-4')	111							
680-115695-7	SB-172(0-2')	116							
680-115695-7 - RA	SB-172(0-2')								
680-115695-8	SB-170(0-2')	116							
680-115695-8 - RA	SB-170(0-2')								
680-115695-9	SB-171(0-2')	101							
LCS 320-83561/2-A	Lab Control Sample	99							
MB 320-83561/1-A	Method Blank	11 *							

Surrogate Legend

TCDD = 13C-2,3,7,8-TCDD
TCDF = 13C-2,3,7,8-TCDF
PeCDD = 13C-1,2,3,7,8-PeCDD
PeCDF1 = 13C-1,2,3,7,8-PeCDF
HxCDD2 = 13C-1,2,3,6,7,8-HxCDD
HxCDF1 = 13C-1,2,3,4,7,8-HxCDF
HpCDD = 13C-1,2,3,4,6,7,8-HpCDD
HpCDF1 = 13C-1,2,3,4,6,7,8-HpCDF
OCDD = 13C-OCDD

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level

Lab Sample ID: MB 680-397158/10-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 398363 — **Prep Batch: 397158**

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		08/20/15 12:20	08/28/15 01:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*24 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
2-Fluorobiphenyl (Surr)	*72*		*11 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
2-Fluorophenol (Surr)	*67*		*10 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
Terphenyl-d14 (Surr)	*70*		*27 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
Phenol-d5 (Surr)	*74*		*10 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*
Nitrobenzene-d5 (Surr)	*74*		*18 - 130*	*08/20/15 12:20*	*08/28/15 01:23*	*1*

Lab Sample ID: LCS 680-397158/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 398363 — **Prep Batch: 397158**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1'-Biphenyl			0.330	0.243		mg/Kg		74	10 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*75*		*24 - 130*
2-Fluorobiphenyl (Surr)	*71*		*11 - 130*
2-Fluorophenol (Surr)	*70*		*10 - 130*
Terphenyl-d14 (Surr)	*72*		*27 - 130*
Phenol-d5 (Surr)	*70*		*10 - 130*
Nitrobenzene-d5 (Surr)	*77*		*18 - 130*

Lab Sample ID: 680-115695-4 MS — **Client Sample ID: SB-209(0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 398363 — **Prep Batch: 397158**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1'-Biphenyl	0.0081	U	0.376	0.294		mg/Kg	☼	78	10 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*24 - 130*
2-Fluorobiphenyl (Surr)	*69*		*11 - 130*
2-Fluorophenol (Surr)	*70*		*10 - 130*
Terphenyl-d14 (Surr)	*66*		*27 - 130*
Phenol-d5 (Surr)	*69*		*10 - 130*
Nitrobenzene-d5 (Surr)	*73*		*18 - 130*

Lab Sample ID: 680-115695-4 MSD — **Client Sample ID: SB-209(0-2')**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 398363 — **Prep Batch: 397158**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.0081	U	0.375	0.207		mg/Kg	☼	55	10 - 130	35	50

Method: 8270D LL - Semivolatile Organic Compounds by GC/MS - Low Level (Continued)

Lab Sample ID: 680-115695-4 MSD
Matrix: Solid
Analysis Batch: 398363

Client Sample ID: SB-209(0-2')
Prep Type: Total/NA
Prep Batch: 397158

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	55		24 - 130
2-Fluorobiphenyl (Surr)	51		11 - 130
2-Fluorophenol (Surr)	50		10 - 130
Terphenyl-d14 (Surr)	52		27 - 130
Phenol-d5 (Surr)	51		10 - 130
Nitrobenzene-d5 (Surr)	55		18 - 130

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-397162/16-A
Matrix: Solid
Analysis Batch: 397526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 397162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.010	U	0.033	0.010	mg/Kg		08/20/15 12:20	08/21/15 21:58	1
PCB-1260	0.0097	U	0.033	0.0097	mg/Kg		08/20/15 12:20	08/21/15 21:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	131		54 - 133	08/20/15 12:20	08/21/15 21:58	1
Tetrachloro-m-xylene	109		46 - 130	08/20/15 12:20	08/21/15 21:58	1

Lab Sample ID: LCS 680-397162/17-A
Matrix: Solid
Analysis Batch: 397526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 397162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	0.650	0.532		mg/Kg		82	45 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	100		54 - 133
Tetrachloro-m-xylene	80		46 - 130

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS)

Lab Sample ID: MB 320-84991/1-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84991

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1	0.00000039	U	0.000020	0.00000039	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-2	0.00000034	U	0.000020	0.00000034	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-3	0.00000028	U	0.000020	0.00000028	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-4	0.0000027	U	0.000020	0.0000027	mg/Kg		09/03/15 10:55	09/08/15 17:30	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-84991/1-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84991

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-5	0.0000029	U	0.000020	0.0000029	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-6	0.0000029	U	0.000020	0.0000029	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-7	0.0000027	U	0.000020	0.0000027	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-8	0.0000025	U	0.000020	0.0000025	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-9	0.0000032	U	0.000020	0.0000032	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-10	0.0000018	U	0.000020	0.0000018	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-11	0.0000030	U	0.000020	0.0000030	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-12/13	0.0000029	U	0.000040	0.0000029	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-14	0.0000025	U	0.000020	0.0000025	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-15	0.0000032	U	0.000020	0.0000032	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-16	0.00000045	U	0.000020	0.00000045	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-17	0.00000037	U	0.000020	0.00000037	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-18/30	0.00000033	U	0.000040	0.00000033	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-19	0.00000034	U	0.000020	0.00000034	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-20/28	0.00000101	J	0.000040	0.00000018	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-21/33	0.000000514	J	0.000040	0.00000016	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-22	0.000000343	J	0.000020	0.00000019	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-23	0.00000017	U	0.000020	0.00000017	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-24	0.00000030	U	0.000020	0.00000030	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-25	0.00000016	U	0.000020	0.00000016	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-26/29	0.00000018	U	0.000040	0.00000018	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-27	0.00000030	U	0.000020	0.00000030	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-31	0.000000709	J	0.000020	0.00000016	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-32	0.00000027	U	0.000020	0.00000027	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-34	0.00000019	U	0.000020	0.00000019	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-35	0.00000019	U	0.000020	0.00000019	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-36	0.00000018	U	0.000020	0.00000018	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-37	0.00000028	U	0.000020	0.00000028	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-38	0.00000019	U	0.000020	0.00000019	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-39	0.00000017	U	0.000020	0.00000017	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-40/71	0.00000010	U	0.000040	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-41	0.000000341	J	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-84991/1-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84991

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-42	0.000000145	J	0.000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-43	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-44/47/65	0.00000155	J	0.000060	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-45	0.00000013	U	0.000020	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-46	0.00000013	U	0.000020	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-48	0.00000010	U	0.000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-49/69	0.000000375	J	0.000040	0.00000089	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-50/53	0.00000011	U	0.000040	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-51	0.000000249	J	0.000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-52	0.000000907	J	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-54	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-55	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-56	0.00000013	U	0.000020	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-57	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-58	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-59/62/75	0.000000079	U	0.000060	0.00000079	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-60	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-61/70/74/76	0.000000742	J	0.000080	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-63	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-64	0.000000071	U	0.000020	0.00000071	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-66	0.000000424	J	0.000020	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-67	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-68	0.000000272	J	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-72	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-73	0.000000085	U	0.000020	0.00000085	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-77	0.00000018	U	0.0000020	0.00000018	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-78	0.00000013	U	0.000020	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-84991/1-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84991

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-79	0.00000013	U	0.000020	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-80	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-81	0.00000017	U	0.0000020	0.00000017	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-82	0.00000015	U	0.000020	0.00000015	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-83	0.00000018	U	0.000020	0.00000018	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-84	0.00000015	U	0.000020	0.00000015	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-85/116/117	0.00000011	U	0.000060	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-86/87/97/108/119/125	0.000000450	J	0.00012	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-88/91	0.00000013	U	0.000040	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-89	0.00000014	U	0.000020	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-90/101/113	0.000000693	J	0.000060	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-92	0.00000014	U	0.000020	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-93/100	0.00000013	U	0.000040	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-107/124	0.00000010	U	0.000040	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-94	0.00000014	U	0.000020	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-95	0.000000429	J	0.000020	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-96	0.000000071	U	0.000020	0.00000071	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-98/102	0.00000012	U	0.000040	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-99	0.000000290	J	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-103	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-104	0.000000063	U	0.000020	0.00000063	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-105	0.000000278	J	0.0000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-106	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-110/115	0.000000573	J	0.000040	0.00000099	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-109	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-111	0.000000093	U	0.000020	0.00000093	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-112	0.000000092	U	0.000020	0.00000092	mg/Kg		09/03/15 10:55	09/08/15 17:30	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-84991/1-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84991

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-114	0.00000012	U	0.0000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-118	0.000000527	J	0.0000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-120	0.00000010	U	0.000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-121	0.000000098	U	0.000020	0.00000000 98	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-122	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-123	0.00000010	U	0.0000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-126	0.00000016	U	0.0000020	0.00000016	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-127	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-128/166	0.00000013	U	0.000040	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-129/138/163	0.000000617	J	0.000060	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-130	0.00000016	U	0.000020	0.00000016	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-131	0.00000015	U	0.000020	0.00000015	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-132	0.000000190	J	0.000020	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-133	0.00000014	U	0.000020	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-134/143	0.00000014	U	0.000040	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-135/151	0.00000013	U	0.000040	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-136	0.00000010	U	0.000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-137	0.00000014	U	0.000020	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-139/140	0.00000013	U	0.000040	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-141	0.00000013	U	0.000020	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-142	0.00000014	U	0.000020	0.00000014	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-144	0.00000013	U	0.000020	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-145	0.000000094	U	0.000020	0.00000000 94	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-146	0.00000013	U	0.000020	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-147/149	0.000000412	J	0.000040	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-148	0.00000013	U	0.000020	0.00000013	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-150	0.000000088	U	0.000020	0.00000000 88	mg/Kg		09/03/15 10:55	09/08/15 17:30	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-84991/1-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84991

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-152	0.000000095	U	0.000020	0.000000095	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-153/168	0.000000426	J	0.000040	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-154	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-155	0.000000095	U	0.000020	0.000000095	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-156/157	0.000000367	J	0.0000040	0.00000016	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-158	0.00000010	U	0.000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-159	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-160	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-161	0.00000010	U	0.000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-162	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-164	0.00000010	U	0.000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-165	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-167	0.00000011	U	0.0000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-169	0.00000017	U	0.0000020	0.00000017	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-170	0.00000010	U	0.000020	0.00000010	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-171/173	0.000000086	U	0.000040	0.000000086	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-172	0.000000089	U	0.000020	0.000000089	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-174	0.000000083	U	0.000020	0.000000083	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-175	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-176	0.000000083	U	0.000020	0.000000083	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-177	0.000000087	U	0.000020	0.000000087	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-178	0.00000012	U	0.000020	0.00000012	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-179	0.000000090	U	0.000020	0.000000090	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-180/193	0.000000397	J	0.000040	0.000000075	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-181	0.000000077	U	0.000020	0.000000077	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-182	0.00000011	U	0.000020	0.00000011	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-183	0.000000068	U	0.000020	0.000000068	mg/Kg		09/03/15 10:55	09/08/15 17:30	1

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-84991/1-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84991

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-184	0.000000090	U	0.000020	0.0000000 90	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-185	0.000000077	U	0.000020	0.0000000 77	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-186	0.000000088	U	0.000020	0.0000000 88	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-187	0.00000012	U	0.000020	0.0000001 2	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-188	0.000000097	U	0.000020	0.0000000 97	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-189	0.00000016	U	0.0000020	0.0000001 6	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-190	0.000000071	U	0.000020	0.0000000 71	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-191	0.000000067	U	0.000020	0.0000000 67	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-192	0.000000070	U	0.000020	0.0000000 70	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-194	0.00000017	U	0.000020	0.0000001 7	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-195	0.00000015	U	0.000020	0.0000001 5	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-196	0.00000014	U	0.000020	0.0000001 4	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-197	0.000000085	U	0.000020	0.0000000 85	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-198/199	0.00000014	U	0.000040	0.0000001 4	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-200	0.000000087	U	0.000020	0.0000000 87	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-201	0.000000084	U	0.000020	0.0000000 84	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-202	0.000000092	U	0.000020	0.0000000 92	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-203	0.00000013	U	0.000020	0.0000001 3	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-204	0.000000087	U	0.000020	0.0000000 87	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-205	0.00000013	U	0.000020	0.0000001 3	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-206	0.000000195	J	0.000020	0.0000001 3	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-207	0.000000092	U	0.000020	0.0000000 92	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-208	0.00000012	U	0.000020	0.0000001 2	mg/Kg		09/03/15 10:55	09/08/15 17:30	1
PCB-209	0.000000248	J	0.000020	0.0000001 3	mg/Kg		09/03/15 10:55	09/08/15 17:30	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
PCB-1L	*39*		*5 - 145*	*09/03/15 10:55*	*09/08/15 17:30*	*1*
PCB-3L	*45*		*5 - 145*	*09/03/15 10:55*	*09/08/15 17:30*	*1*
PCB-4L	*44*		*5 - 145*	*09/03/15 10:55*	*09/08/15 17:30*	*1*
PCB-15L	*53*		*5 - 145*	*09/03/15 10:55*	*09/08/15 17:30*	*1*

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-84991/1-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 84991

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-19L	50		5 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-37L	49		5 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-54L	49		5 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-77L	59		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-81L	62		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-104L	57		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-105L	75		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-114L	71		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-118L	73		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-123L	72		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-126L	76		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-155L	61		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-156L/157L	86		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-167L	85		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-169L	90		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-188L	63		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-189L	91		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-202L	78		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-205L	92		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-206L	93		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-208L	77		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-209L	69		10 - 145	09/03/15 10:55	09/08/15 17:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
PCB-28L	55		5 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-111L	70		10 - 145	09/03/15 10:55	09/08/15 17:30	1
PCB-178L	69		10 - 145	09/03/15 10:55	09/08/15 17:30	1

Lab Sample ID: LCS 320-84991/2-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1	0.000200	0.000216		mg/Kg		108	60 - 135
PCB-3	0.000200	0.000210		mg/Kg		105	60 - 135
PCB-4	0.000200	0.000214		mg/Kg		107	60 - 135
PCB-15	0.000200	0.000189		mg/Kg		94	60 - 135
PCB-19	0.000200	0.000180		mg/Kg		90	60 - 135
PCB-37	0.000200	0.000170		mg/Kg		85	60 - 135
PCB-54	0.000200	0.000212		mg/Kg		106	60 - 135
PCB-77	0.000200	0.000178		mg/Kg		89	60 - 135
PCB-81	0.000200	0.000179		mg/Kg		90	60 - 135
PCB-104	0.000200	0.000173		mg/Kg		87	60 - 135
PCB-105	0.000200	0.000162		mg/Kg		81	60 - 135
PCB-114	0.000200	0.000159		mg/Kg		80	60 - 135
PCB-118	0.000200	0.000163		mg/Kg		82	60 - 135
PCB-123	0.000200	0.000156		mg/Kg		78	60 - 135
PCB-126	0.000200	0.000153		mg/Kg		76	60 - 135

Method: 1668C - Chlorinated Biphenyl Congeners (HRGC/HRMS) (Continued)

Lab Sample ID: LCS 320-84991/2-A
Matrix: Solid
Analysis Batch: 85395

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 84991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-155	0.000200	0.000170		mg/Kg		85	60 - 135
PCB-156/157	0.000400	0.000310		mg/Kg		78	60 - 135
PCB-167	0.000200	0.000151		mg/Kg		75	60 - 135
PCB-169	0.000200	0.000152		mg/Kg		76	60 - 135
PCB-188	0.000200	0.000166		mg/Kg		83	60 - 135
PCB-189	0.000200	0.000155		mg/Kg		77	60 - 135
PCB-202	0.000200	0.000162		mg/Kg		81	60 - 135
PCB-205	0.000200	0.000152		mg/Kg		76	60 - 135
PCB-206	0.000200	0.000152		mg/Kg		76	60 - 135
PCB-208	0.000200	0.000152		mg/Kg		76	60 - 135
PCB-209	0.000200	0.000148		mg/Kg		74	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-1L	*31*		*15 - 145*
PCB-3L	*60*		*15 - 145*
PCB-4L	*48*		*15 - 145*
PCB-15L	*70*		*15 - 145*
PCB-19L	*62*		*15 - 145*
PCB-37L	*54*		*15 - 145*
PCB-54L	*46*		*15 - 145*
PCB-77L	*57*		*40 - 145*
PCB-81L	*55*		*40 - 145*
PCB-104L	*53*		*40 - 145*
PCB-105L	*67*		*40 - 145*
PCB-114L	*66*		*40 - 145*
PCB-118L	*68*		*40 - 145*
PCB-123L	*64*		*40 - 145*
PCB-126L	*71*		*40 - 145*
PCB-155L	*54*		*40 - 145*
PCB-156L/157L	*79*		*40 - 145*
PCB-167L	*77*		*40 - 145*
PCB-169L	*86*		*40 - 145*
PCB-188L	*50*		*40 - 145*
PCB-189L	*81*		*40 - 145*
PCB-202L	*62*		*40 - 145*
PCB-205L	*84*		*40 - 145*
PCB-206L	*82*		*40 - 145*
PCB-208L	*70*		*40 - 145*
PCB-209L	*79*		*40 - 145*

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
PCB-28L	*61*		*5 - 145*
PCB-111L	*69*		*10 - 145*
PCB-178L	*66*		*10 - 145*

Method: 8290A - Dioxins and Furans (HRGC/HRMS)

Lab Sample ID: MB 320-83561/1-A
Matrix: Solid
Analysis Batch: 84247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83561

Analyte	MB Result	MB Qualifier	RL	EDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,7,8-TCDD	0.00000019	U	0.0000010	0.00000019	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
2,3,7,8-TCDF	0.00000017	U	0.0000010	0.00000017	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,7,8-PeCDD	0.00000042	U	0.0000050	0.00000042	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,7,8-PeCDF	0.00000025	U	0.0000050	0.00000025	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
2,3,4,7,8-PeCDF	0.00000025	U	0.0000050	0.00000025	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,4,7,8-HxCDD	0.00000021	U	0.0000050	0.00000021	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,6,7,8-HxCDD	0.00000021	U	0.0000050	0.00000021	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,7,8,9-HxCDD	0.00000069	U	0.0000050	0.00000069	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,4,7,8-HxCDF	0.00000017	U	0.0000050	0.00000017	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,6,7,8-HxCDF	0.00000015	U	0.0000050	0.00000015	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,7,8,9-HxCDF	0.00000018	U	0.0000050	0.00000018	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
2,3,4,6,7,8-HxCDF	0.00000017	U	0.0000050	0.00000017	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,4,6,7,8-HpCDD	0.000000724	J q	0.0000050	0.00000018	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,4,6,7,8-HpCDF	0.000000783	J q	0.0000050	0.00000028	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
1,2,3,4,7,8,9-HpCDF	0.00000034	U	0.0000050	0.00000034	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
OCDD	0.00000369	J	0.000010	0.00000021	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
OCDF	0.000000937	J	0.000010	0.00000025	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
Total TCDD	0.00000019	U	0.0000010	0.00000019	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
Total TCDF	0.00000017	U	0.0000010	0.00000017	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
Total PeCDD	0.00000042	U	0.0000050	0.00000042	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
Total PeCDF	0.00000025	U	0.0000050	0.00000025	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
Total HxCDD	0.00000069	U	0.0000050	0.00000069	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
Total HxCDF	0.00000018	U	0.0000050	0.00000018	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
Total HpCDD	0.00000149	J q	0.0000050	0.00000018	mg/Kg		08/20/15 14:48	08/26/15 10:15	1
Total HpCDF	0.000000783	J q	0.0000050	0.00000031	mg/Kg		08/20/15 14:48	08/26/15 10:15	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C-2,3,7,8-TCDD	*13*	*	*40 - 135*	*08/20/15 14:48*	*08/26/15 10:15*	*1*
13C-2,3,7,8-TCDF	*12*	*	*40 - 135*	*08/20/15 14:48*	*08/26/15 10:15*	*1*

Method: 8290A - Dioxins and Furans (HRGC/HRMS) (Continued)

Lab Sample ID: MB 320-83561/1-A
Matrix: Solid
Analysis Batch: 84247

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 83561

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C-1,2,3,7,8-PeCDD	11	*	40 - 135	08/20/15 14:48	08/26/15 10:15	1
13C-1,2,3,7,8-PeCDF	11	*	40 - 135	08/20/15 14:48	08/26/15 10:15	1
13C-1,2,3,6,7,8-HxCDD	11	*	40 - 135	08/20/15 14:48	08/26/15 10:15	1
13C-1,2,3,4,7,8-HxCDF	11	*	40 - 135	08/20/15 14:48	08/26/15 10:15	1
13C-1,2,3,4,6,7,8-HpCDD	12	*	40 - 135	08/20/15 14:48	08/26/15 10:15	1
13C-1,2,3,4,6,7,8-HpCDF	11	*	40 - 135	08/20/15 14:48	08/26/15 10:15	1
13C-OCDD	11	*	40 - 135	08/20/15 14:48	08/26/15 10:15	1

Lab Sample ID: LCS 320-83561/2-A
Matrix: Solid
Analysis Batch: 84247

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 83561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,3,7,8-TCDD	0.0000200	0.0000210		mg/Kg		105	77 - 130
2,3,7,8-TCDF	0.0000200	0.0000215		mg/Kg		107	79 - 137
1,2,3,7,8-PeCDD	0.000100	0.000108		mg/Kg		108	79 - 134
1,2,3,7,8-PeCDF	0.000100	0.000110		mg/Kg		110	81 - 134
2,3,4,7,8-PeCDF	0.000100	0.0000897		mg/Kg		90	76 - 132
1,2,3,4,7,8-HxCDD	0.000100	0.000100		mg/Kg		100	65 - 144
1,2,3,6,7,8-HxCDD	0.000100	0.000109		mg/Kg		109	73 - 147
1,2,3,7,8,9-HxCDD	0.000100	0.000122		mg/Kg		122	80 - 143
1,2,3,4,7,8-HxCDF	0.000100	0.000116		mg/Kg		116	72 - 140
1,2,3,6,7,8-HxCDF	0.000100	0.000122		mg/Kg		122	63 - 152
1,2,3,7,8,9-HxCDF	0.000100	0.000135		mg/Kg		135	72 - 152
2,3,4,6,7,8-HxCDF	0.000100	0.000135		mg/Kg		135	72 - 151
1,2,3,4,6,7,8-HpCDD	0.000100	0.000111		mg/Kg		111	86 - 134
1,2,3,4,6,7,8-HpCDF	0.000100	0.000110		mg/Kg		110	81 - 137
1,2,3,4,7,8,9-HpCDF	0.000100	0.000120		mg/Kg		120	79 - 139
OCDD	0.000200	0.000213		mg/Kg		106	80 - 137
OCDF	0.000200	0.000215		mg/Kg		108	75 - 141

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C-2,3,7,8-TCDD	90		40 - 135
13C-2,3,7,8-TCDF	90		40 - 135
13C-1,2,3,7,8-PeCDD	92		40 - 135
13C-1,2,3,7,8-PeCDF	91		40 - 135
13C-1,2,3,6,7,8-HxCDD	82		40 - 135
13C-1,2,3,4,7,8-HxCDF	75		40 - 135
13C-1,2,3,4,6,7,8-HpCDD	94		40 - 135
13C-1,2,3,4,6,7,8-HpCDF	86		40 - 135
13C-OCDD	99		40 - 135

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Method: 9045D - pH

Lab Sample ID: LCS 680-396605/1
Matrix: Solid
Analysis Batch: 396605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
pH			7.00	7.040		SU		101	79 - 126		

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

GC/MS Semi VOA

Prep Batch: 397158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-2	SB-208(0-2')	Total/NA	Solid	3546	
680-115695-3	SB-208(2-4')	Total/NA	Solid	3546	
680-115695-4	SB-209(0-2')	Total/NA	Solid	3546	
680-115695-4 MS	SB-209(0-2')	Total/NA	Solid	3546	
680-115695-4 MSD	SB-209(0-2')	Total/NA	Solid	3546	
LCS 680-397158/11-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-397158/10-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 398363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-4 MS	SB-209(0-2')	Total/NA	Solid	8270D LL	397158
680-115695-4 MSD	SB-209(0-2')	Total/NA	Solid	8270D LL	397158
LCS 680-397158/11-A	Lab Control Sample	Total/NA	Solid	8270D LL	397158
MB 680-397158/10-A	Method Blank	Total/NA	Solid	8270D LL	397158

Analysis Batch: 398650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-2	SB-208(0-2')	Total/NA	Solid	8270D LL	397158
680-115695-3	SB-208(2-4')	Total/NA	Solid	8270D LL	397158
680-115695-4	SB-209(0-2')	Total/NA	Solid	8270D LL	397158

GC Semi VOA

Prep Batch: 397162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-5	SB-169(0-2')	Total/NA	Solid	3546	
680-115695-6	SB-169(2-4')	Total/NA	Solid	3546	
680-115695-7	SB-172(0-2')	Total/NA	Solid	3546	
680-115695-8	SB-170(0-2')	Total/NA	Solid	3546	
680-115695-9	SB-171(0-2')	Total/NA	Solid	3546	
LCS 680-397162/17-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-397162/16-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 397526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-5	SB-169(0-2')	Total/NA	Solid	8081B/8082A	397162
680-115695-6	SB-169(2-4')	Total/NA	Solid	8081B/8082A	397162
680-115695-7	SB-172(0-2')	Total/NA	Solid	8081B/8082A	397162
680-115695-8	SB-170(0-2')	Total/NA	Solid	8081B/8082A	397162
680-115695-9	SB-171(0-2')	Total/NA	Solid	8081B/8082A	397162
LCS 680-397162/17-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	397162
MB 680-397162/16-A	Method Blank	Total/NA	Solid	8081B/8082A	397162

Specialty Organics

Prep Batch: 83561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-5	SB-169(0-2')	Total/NA	Solid	8290	
680-115695-6	SB-169(2-4')	Total/NA	Solid	8290	
680-115695-7	SB-172(0-2')	Total/NA	Solid	8290	

Specialty Organics (Continued)

Prep Batch: 83561 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-7 - RA	SB-172(0-2')	Total/NA	Solid	8290	
680-115695-8	SB-170(0-2')	Total/NA	Solid	8290	
680-115695-8 - RA	SB-170(0-2')	Total/NA	Solid	8290	
680-115695-9	SB-171(0-2')	Total/NA	Solid	8290	
LCS 320-83561/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	
MB 320-83561/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	

Analysis Batch: 84247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-5	SB-169(0-2')	Total/NA	Solid	8290A	83561
680-115695-6	SB-169(2-4')	Total/NA	Solid	8290A	83561
680-115695-7	SB-172(0-2')	Total/NA	Solid	8290A	83561
680-115695-8	SB-170(0-2')	Total/NA	Solid	8290A	83561
LCS 320-83561/2-A	Lab Control Sample	Total/NA	Solid	8290A	83561
MB 320-83561/1-A	Method Blank	Total/NA	Solid	8290A	83561

Analysis Batch: 84257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-7 - RA	SB-172(0-2')	Total/NA	Solid	8290A	83561
680-115695-8 - RA	SB-170(0-2')	Total/NA	Solid	8290A	83561

Analysis Batch: 84448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-9	SB-171(0-2')	Total/NA	Solid	8290A	83561

Prep Batch: 84991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-5	SB-169(0-2')	Total/NA	Solid	HRMS-Sox	
680-115695-6	SB-169(2-4')	Total/NA	Solid	HRMS-Sox	
680-115695-7	SB-172(0-2')	Total/NA	Solid	HRMS-Sox	
680-115695-8	SB-170(0-2')	Total/NA	Solid	HRMS-Sox	
680-115695-9	SB-171(0-2')	Total/NA	Solid	HRMS-Sox	
LCS 320-84991/2-A	Lab Control Sample	Total/NA	Solid	HRMS-Sox	
MB 320-84991/1-A	Method Blank	Total/NA	Solid	HRMS-Sox	

Analysis Batch: 85395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-5	SB-169(0-2')	Total/NA	Solid	1668C	84991
680-115695-6	SB-169(2-4')	Total/NA	Solid	1668C	84991
680-115695-7	SB-172(0-2')	Total/NA	Solid	1668C	84991
680-115695-8	SB-170(0-2')	Total/NA	Solid	1668C	84991
680-115695-9	SB-171(0-2')	Total/NA	Solid	1668C	84991
LCS 320-84991/2-A	Lab Control Sample	Total/NA	Solid	1668C	84991
MB 320-84991/1-A	Method Blank	Total/NA	Solid	1668C	84991

Analysis Batch: 85838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-5	SB-169(0-2')	Total/NA	Solid	None	
680-115695-6	SB-169(2-4')	Total/NA	Solid	None	
680-115695-7	SB-172(0-2')	Total/NA	Solid	None	
680-115695-8	SB-170(0-2')	Total/NA	Solid	None	

Specialty Organics (Continued)

Analysis Batch: 85838 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-9	SB-171(0-2')	Total/NA	Solid	None	

General Chemistry

Analysis Batch: 396605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-115695-1	SB-181(0-2')	Total/NA	Solid	9045D	
LCS 680-396605/1	Lab Control Sample	Total/NA	Solid	9045D	

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-181(0-2')
Date Collected: 08/14/15 13:55
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-1
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	9045D		1	20 mL	20 mL	396605	08/17/15 14:45	JJW	TAL SAV

Client Sample ID: SB-208(0-2')
Date Collected: 08/14/15 14:55
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-2
Matrix: Solid
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			30.29 g	1 mL	397158	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.29 g	1 mL	398650	08/29/15 01:50	NED	TAL SAV

Client Sample ID: SB-208(2-4')
Date Collected: 08/14/15 15:00
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-3
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			30.19 g	1 mL	397158	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8270D LL		5	30.19 g	1 mL	398650	08/29/15 02:18	NED	TAL SAV

Client Sample ID: SB-209(0-2')
Date Collected: 08/14/15 15:30
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-4
Matrix: Solid
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			30.11 g	1 mL	397158	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8270D LL		1	30.11 g	1 mL	398650	08/29/15 02:47	NED	TAL SAV

Client Sample ID: SB-169(0-2')
Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5
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			85838	09/12/15 10:06	MKW	TAL SAC

Client Sample ID: SB-169(0-2')
Date Collected: 08/14/15 16:10
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-5
Matrix: Solid
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.24 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.24 g	10 mL	397526	08/22/15 00:49	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			9.90 g	20 uL	84991	09/03/15 10:55	GDB	TAL SAC
Total/NA	Analysis	1668C		1	9.90 g	20 uL	85395	09/08/15 20:01	KSS	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-169(0-2')

Lab Sample ID: 680-115695-5
Date Collected: 08/14/15 16:10
Matrix: Solid
Date Received: 08/15/15 08:25
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8290			20.15 g	40 uL	83561	08/20/15 14:48	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.15 g	40 uL	84247	08/26/15 14:20	ALM	TAL SAC

Client Sample ID: SB-169(2-4')

Lab Sample ID: 680-115695-6
Date Collected: 08/14/15 16:15
Matrix: Solid
Date Received: 08/15/15 08:25

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			85838	09/12/15 10:06	MKW	TAL SAC

Client Sample ID: SB-169(2-4')

Lab Sample ID: 680-115695-6
Date Collected: 08/14/15 16:15
Matrix: Solid
Date Received: 08/15/15 08:25
Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.11 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.11 g	10 mL	397526	08/22/15 01:03	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			9.93 g	20 uL	84991	09/03/15 10:55	GDB	TAL SAC
Total/NA	Analysis	1668C		1	9.93 g	20 uL	85395	09/08/15 21:16	KSS	TAL SAC
Total/NA	Prep	8290			20.17 g	40 uL	83561	08/20/15 14:48	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.17 g	40 uL	84247	08/26/15 15:06	ALM	TAL SAC

Client Sample ID: SB-172(0-2')

Lab Sample ID: 680-115695-7
Date Collected: 08/14/15 16:50
Matrix: Solid
Date Received: 08/15/15 08:25

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			85838	09/12/15 10:06	MKW	TAL SAC

Client Sample ID: SB-172(0-2')

Lab Sample ID: 680-115695-7
Date Collected: 08/14/15 16:50
Matrix: Solid
Date Received: 08/15/15 08:25
Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.03 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.03 g	10 mL	397526	08/22/15 01:18	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			1.16 g	20 uL	84991	09/03/15 10:55	GDB	TAL SAC
Total/NA	Analysis	1668C		1	1.16 g	20 uL	85395	09/08/15 23:46	KSS	TAL SAC
Total/NA	Prep	8290			20.10 g	40 uL	83561	08/20/15 14:48	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.10 g	40 uL	84247	08/26/15 15:52	ALM	TAL SAC
Total/NA	Prep	8290	RA		20.10 g	40 uL	83561	08/20/15 14:48	GDB	TAL SAC
Total/NA	Analysis	8290A	RA	1	20.10 g	40 uL	84257	08/26/15 22:08	SMA	TAL SAC

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Client Sample ID: SB-170(0-2')
Date Collected: 08/14/15 17:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-8
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			85838	09/12/15 10:06	MKW	TAL SAC

Client Sample ID: SB-170(0-2')
Date Collected: 08/14/15 17:15
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-8
Matrix: Solid
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			15.04 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.04 g	10 mL	397526	08/22/15 01:32	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			10.15 g	20 uL	84991	09/03/15 10:55	GDB	TAL SAC
Total/NA	Analysis	1668C		1	10.15 g	20 uL	85395	09/08/15 22:31	KSS	TAL SAC
Total/NA	Prep	8290			20.19 g	40 uL	83561	08/20/15 14:48	GDB	TAL SAC
Total/NA	Analysis	8290A		1	20.19 g	40 uL	84247	08/26/15 16:38	ALM	TAL SAC
Total/NA	Prep	8290	RA		20.19 g	40 uL	83561	08/20/15 14:48	GDB	TAL SAC
Total/NA	Analysis	8290A	RA	1	20.19 g	40 uL	84257	08/26/15 22:46	SMA	TAL SAC

Client Sample ID: SB-171(0-2')
Date Collected: 08/14/15 17:40
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-9
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			85838	09/12/15 10:06	MKW	TAL SAC

Client Sample ID: SB-171(0-2')
Date Collected: 08/14/15 17:40
Date Received: 08/15/15 08:25

Lab Sample ID: 680-115695-9
Matrix: Solid
Percent Solids: 69.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.21 g	10 mL	397162	08/20/15 12:20	JMV	TAL SAV
Total/NA	Analysis	8081B/8082A		1	15.21 g	10 mL	397526	08/22/15 01:46	JCK	TAL SAV
Total/NA	Prep	HRMS-Sox			1.27 g	20 uL	84991	09/03/15 10:55	GDB	TAL SAC
Total/NA	Analysis	1668C		1	1.27 g	20 uL	85395	09/09/15 01:01	KSS	TAL SAC
Total/NA	Prep	8290			20.02 g	40 uL	83561	08/20/15 14:48	GDB	TAL SAC
Total/NA	Analysis	8290A		5	20.02 g	40 uL	84448	08/28/15 05:35	SMA	TAL SAC

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

Serial Number 98518

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: HERCULES SAVANNAH	PROJECT NO.: 68001205	PROJECT LOCATION (STATE): GA
TAL (LAB) PROJECT MANAGER: KATHY SMITH	P.O. NUMBER: 4501676543	CONTRACT NO.:
CLIENT (SITE) PM: DAVID WILDERMAN	CLIENT PHONE: 770 428 9009	CLIENT FAX:
CLIENT NAME: ARCADIS	CLIENT E-MAIL: dwilderman@arcadis-us.com	
CLIENT ADDRESS: ATLANTA GA 2410 PACES FERRY ROAD STE 400		
COMPANY CONTRACTING THIS WORK (if applicable): —		

PAGE 1 OF 1

STANDARD REPORT DELIVERY: X
DATE DUE: STANDARD
EXPEDITED REPORT DELIVERY (SURCHARGE): ○
DATE DUE: _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE (COMPOSITE (C) OR GRAB (G) INDICATE): AQUEOUS (WATER); SOLID OR SEMISOLID; AIR; NONAQUEOUS LIQUID (OIL, SOLVENT, ...)

REQUIRED ANALYSIS / NUMBER OF CONTAINERS SUBMITTED

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID	PH	1,1 BIPHENYL only (8270D)	8081/8082/1254 only	1668	8290							REMARKS
								NA	NA	PRESERVATIVE									
8/14/15	1355	SB-181 (0-2')	X		X			X											
8/14/15	1455	SB-208 (0-2')	X		X				X										
8/14/15	1500	SB-208 (2-4')	X		X				X										
8/14/15	1530	SB-209 (0-2')	X		X				X										
8/14/15	1610	SB-169 (0-2')	X		X					X	X	X							
8/14/15	1615	SB-169 (2-4')	X		X					X	X	X							
8/14/15	1650	SB-172 (0-2')	X		X					X	X	X							
8/14/15	1715	SB-170 (0-2')	X		X					X	X	X							
8/14/15	1740	SB-171 (0-2')	X		X					X	X	X							

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE		DATE	TIME
	8/15/15	0825					
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE		DATE	TIME

680-115695 Chain of Custody

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
Shanda	08/15	0825	YES ○ NO ○		680-115695	20/2.4 °C

TAL8240-680 (1008)

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 680-115695-1

Login Number: 115695
List Number: 1
Creator: Kicklighter, Marilyn D

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.	N/A	
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.	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: 680-115695-1

Login Number: 115695
List Number: 2
Creator: Paguyo, Joyce A

List Source: TestAmerica Sacramento
List Creation: 08/18/15 07:16 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	
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.	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	

Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Hercules Savannah

TestAmerica Job ID: 680-115695-1

Laboratory: TestAmerica Savannah

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	AFCEE		SAVLAB	
A2LA	DoD ELAP		399.01	02-28-17
A2LA	ISO/IEC 17025		399.01	02-28-17
Alabama	State Program	4	41450	06-30-16
Arkansas DEQ	State Program	6	88-0692	01-31-16
California	State Program	9	2939	07-31-16
Colorado	State Program	8	N/A	12-31-15
Connecticut	State Program	1	PH-0161	03-31-17
Florida	NELAP	4	E87052	06-30-16
GA Dept. of Agriculture	State Program	4	N/A	06-12-17
Georgia	State Program	4	803	06-30-16
Guam	State Program	9	14-004r	04-16-16
Hawaii	State Program	9	N/A	06-30-16
Illinois	NELAP	5	200022	11-30-15
Indiana	State Program	5	N/A	06-30-15 *
Iowa	State Program	7	353	06-30-17
Kentucky (DW)	State Program	4	90084	12-31-15
Kentucky (UST)	State Program	4	18	06-30-16
Kentucky (WW)	State Program	4	90084	12-31-15
Louisiana	NELAP	6	30690	06-30-16
Louisiana (DW)	NELAP	6	LA150014	12-31-15
Maine	State Program	1	GA00006	09-24-16
Maryland	State Program	3	250	12-31-15
Massachusetts	State Program	1	M-GA006	06-30-16
Michigan	State Program	5	9925	03-05-16
Mississippi	State Program	4	N/A	06-30-15 *
Montana	State Program	8	CERT0081	12-31-15
Nebraska	State Program	7	TestAmerica-Savannah	06-30-16
New Jersey	NELAP	2	GA769	09-30-15 *
New Mexico	State Program	6	N/A	06-30-16
New York	NELAP	2	10842	03-31-16
North Carolina (DW)	State Program	4	13701	07-31-16
North Carolina (WW/SW)	State Program	4	269	12-31-15
Oklahoma	State Program	6	9984	08-31-15 *
Pennsylvania	NELAP	3	68-00474	06-30-16
Puerto Rico	State Program	2	GA00006	12-31-15
South Carolina	State Program	4	98001	06-30-15 *
Tennessee	State Program	4	TN02961	06-30-16
Texas	NELAP	6	T104704185-14-7	11-30-15
USDA	Federal		SAV 3-04	06-11-17
Virginia	NELAP	3	460161	06-14-16
Washington	State Program	10	C805	06-10-16
West Virginia (DW)	State Program	3	9950C	12-31-15
West Virginia DEP	State Program	3	094	06-30-16
Wisconsin	State Program	5	999819810	08-31-16
Wyoming	State Program	8	8TMS-L	06-30-16

Laboratory: TestAmerica Sacramento

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

* Certification renewal pending - certification considered valid.

Laboratory: TestAmerica Sacramento (Continued)

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
A2LA	DoD ELAP		2928-01	01-31-16
Alaska (UST)	State Program	10	UST-055	12-18-15
Arizona	State Program	9	AZ0708	08-11-16
Arkansas DEQ	State Program	6	88-0691	06-17-16
California	State Program	9	2897	01-31-16
Colorado	State Program	8	N/A	08-31-16
Connecticut	State Program	1	PH-0691	06-30-17
Florida	NELAP	4	E87570	06-30-16
Hawaii	State Program	9	N/A	01-29-16
Illinois	NELAP	5	200060	03-17-16
Kansas	NELAP	7	E-10375	10-31-15
Louisiana	NELAP	6	30612	06-30-16
Michigan	State Program	5	9947	01-31-16
Nevada	State Program	9	CA44	07-31-16
New Jersey	NELAP	2	CA005	09-30-15
New York	NELAP	2	11666	04-01-16
Oregon	NELAP	10	CA200005	01-29-16
Pennsylvania	NELAP	3	9947	03-31-16
Texas	NELAP	6	T104704399-15-9	05-31-16
US Fish & Wildlife	Federal		LE148388-0	02-28-16
USDA	Federal		P330-11-00436	12-30-17
USEPA UCMR	Federal	1	CA00044	11-06-16
Utah	NELAP	8	QUAN1	02-28-16
Virginia	NELAP Secondary AB	3	460278	03-14-16
Washington	State Program	10	C581	05-04-16
West Virginia (DW)	State Program	3	9930C	12-31-15
Wyoming	State Program	8	8TMS-Q	01-29-16

APPENDIX D

Soil Boring Logs

ARCADIS

BORING LOG

Boring/Well Number: SB-159	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/11/15 End Date: 8/11/15	Borehole/159 Start Time: 1205 ☐ AM ☒ PM End Time: 1245 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches):	Borehole Diameter (inches): **3**	Borehole Depth (feet): 5'
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): ~5'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked):* ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			NO ODOR		6.8	0-1'	FILL, LARGE GRAVEL, SAND & SILT DRY, LT RD. BRWN		D	
						138.2	1-2'	FINE TO V-FINE SAND, MOIST, LT GRY TO GRY W/ SOME FILL GRAVEL		M	
	2-4					54.4	2-3'	SAA - SOIL VERY WET TO SAT @ 2.5'		S	
						19.7	3-4'	SILTY CLAY W/ SOME VRY FINE SAND & MOIST, LT ORANGE-LT BRWN		D TO M	
	4-6					5.0	4-5'	SAA @ 5' FEET VERY MOIST TO WET		W	
								END OF BORING			
								SAMPLES: SB-159(0-2') @ 1255; SB-159(2-4') @ 1300			

8/11/15

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-160	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/11/15 End Date: 8/11/15	Borehole 160 Start Time: 1435 ☐ AM ☒ PM End Time: 1520 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): —	Borehole Diameter (inches): **3**	Borehole Depth (feet): 5'
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 5'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2		HIGH ODOR			479.3	0-1'	0-0.5 - FILL FINE SAND, GRAVEL, LT BRWN		D	
			"		"			0.5-1.0 - SAA W/ CLAY, RED & LT TAN SLI MOIST		D	
						240.4	1-2'	CLAY, LOW PLASTIC, SLI MOIST, LT GRYSH TAN & RED		D	
	2-4		SLIGHT ODOR			136.3	2-3'	CLAY SAA		D	
								3.0-3.5 - CLAY SAA		D	
			NO ODOR			25.6	3-4'	3.5-4.0 - VRY FINE SAND, SLI MOIST TO MOIST, LT TAN		M	
	4-6		↓			21.3	4-5'	SAND, SAA (3.5-4) VRY MOIST TO WET		W	
								END OF BORING			
								SAMPLES: SB-160(0-2') @ 1525; SB-160(2-4') @ 1530			DTW @ SB-160 = 5.70 Bgs @ 1550; TSD @ 160 = 6.00 Bgs

8/11/15

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-191	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/12/15 End Date: 8/12/15	Borehole Start Time: 0900 ☒ AM ☐ PM End Time: 0935 ☒ AM ☐ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 3
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ☒ ~~Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ ~~Other (describe)=Abandon~~

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2'	~~12~~ ~~14~~		NO ODOR		124.9	0-1'	SAND, SILT & TRACE ORGANICS, PROBABLE FILL W/ TRACE PEBBLES & SOME "CONCRETE" PIECES		D	
				NO ODOR		95.4	1-2'	SAA 1-1.5' 1.5-2' - VRY FINE SAND, W/ SOME CLAY, LT GRY		D	
	2-4'	~~12~~		MOD. ODOR		1006.6	2-3'	COARSE SAND W/ SOME CLAY LT GRY TO BLACK (MOIST TO WET @ 2.5') POSSIBLE STAINING BLACK		M TO W	
								END OF BORING			

SAMPLE:

SB-191 (0-2') @ 0940

DUP-01 (0-2') @ — TIME

8/12/15

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

MEASURED DTW @ MW-F7 = 2.56' bgs

ARCADIS **BORING LOG**

Boring/Well Number: SB-195	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/12/15 End Date: 8/12/15	Borehole Start Time: 1110 ☒ AM ☐ PM End Time: 1305 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): —	Borehole Diameter (inches): **3**	Borehole Depth (feet): 3'
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2.2'	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ ~~Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ ~~Other (describe)~~=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			NO. ODOR		9.2	0-1	SAND, SILT, GRAVEL, DRY TO SLI MOIST, BROWN PROBABLE FILL		D	
				SLI. ODOR		98.6	1-2	SAND MEDIUM TO CRSE, LT ORANGE, UNCONSOLIDATED, SLI MOIST		D	
	2-4			"	"	58.6	2-3	@ 2.2' SOIL VRY MOIST TO WET, VRY FINE SAND & SILT DK BROWN, VRY MOIST TO WET		M/W TO W	
								END OF BORING			
								SAMPLE: SB-195(0-2') @ 1310			
								NOTE; PUT SOIL ON ICE TO MOVE W/ CONCRETE CUTTER TO NEW LOCATION BEFORE SCREENING/SAMPLING			
								8/12/15			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-196	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/12/15 End Date: 8/12/15	Borehole Start Time: 1345 ☐ AM ☒ PM End Time: 1435 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: ~~(circle one)~~ **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): —	Borehole Diameter (inches): **3**	Borehole Depth (feet): 3'
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2.5	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ ~~Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ ~~Other (describe)~~=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2		2	No	odor	0.0	0-1'	SAND SILT & GRAVEL, DRY, LT GRY TO BRWN, TRCE ORG. PROBABLE FILL		D	
				"	"	0.3	1-2'	SAA W/ SOME CLAY, LT GRY SLI MOIST		D	
	2-4			"	"	5.7	2-3'	COURSE SAND W/ SOME SILT, W/ BLACK & LT GRY, VRY MOIST @ 2.5' TO WET @ 3'		M	

END OF BORING

SAMPLE:
SB-196 (0-2') @ 1440

8/12/15

NOTE:
HAD TO OFFSET X 4-5 TIMES IN LOCATION TO GET TO DEPTH DUE TO ROCKS 0-5" @ ~1.5' TO 2.0' bgs

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-197	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/12/15 End Date: 8/12/15	Borehole Start Time: 1500 ☐ AM ☒ PM End Time: 1530 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches):	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2.5'
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe) **Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			No ODOR		0.0	0-1	SAND, SILT & GRAVEL, DRY, LT BRWN TO LT GRAY, TRCE ORG. PROBABLE FILL		D	
				"	"	0.8	1-2	(SAA 1-1.5) 1.5-2.0 SAND LT TO D/K GREY, SLI MOIST		D	
	2-4			"	"	0.7	2-3	SAA LT TO DK GREY SAND W/ SOME CLAY MOIST @ 2.3 TO WET TO 3'		M TO W	
								END OF BORING			
								SAMPLE: SB-197(0-2) @ 1535			
								* MS/MSD TAKEN HERE			
								8/12/15			
								NOTE: HAD TO OFFSET X3 DUE TO SHALLOW ROCKS			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-180	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/12/15 End Date: 8/12/15	Borehole Start Time: 1545 ☐ AM ☒ PM End Time: 1605 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): —	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2'
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			NO ODOR		0.0	0-1	SAND, SILT, & GRAVEL, TRACE ORG, LT BRN, PROB. FILL			
	2-4			NO ODOR		7.6	1-2	1-1.8' SAND W/ CLAY (IN LAST 4") LT GRY, MOIST @ 1.8' TO VRY MOIST TO WET @ 2'			
				NO ODOR		12.3	2-3				
								END OF BORING			
								SAMPLE: SB-180 (0-2') @ 1610			
								8/12/15			
								NOTE: SAMPLE VRY MOIST @ 2' bgs, ACTUAL SOIL MATERIAL FROM (0-1.8') ID = (0-2')			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-194	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/12/15 End Date: 8/12/15	Borehole Start Time: 1630 ☐ AM ☒ PM End Time: 1645 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches):	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2.5
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked):* ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe) **=Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2'			NO ODOR		0.8	0-1	SAND, SILT, & CLAY, LT BRWN DRY, w/ TRACE ORG, PROB. FILL		D	
				"	"	8.2	1-2	SILT & CLAY w/ SOME FINE SAND DK BRWN TO LT GRY, SLI MOIST		D	
	2-4'			"	"	3.7	2-3	2-2.5 SAA VRY MOIST @ 2.5'		M	
								END OF BORING			
								SAMPLE: SB-194 (0-2) @ 1650			
								8/12/15			
								NOTE: SOIL VRY MOIST TO WET @ 2.5' / STOPPED DUE TO BLOCKAGE/GRAVEL ~~(BORING TAKEN 0-2')~~ JK (BORING SAMPLE 0-2')			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-178	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/12/15 End Date: 8/12/15	Borehole Start Time: 1705 ☐ AM ☒ PM End Time: 1730 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 2
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked): ~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ~~☒ Other (describe)~~=Abandon

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
				No ODOR		0.0	0-1'	VRY FINE SAND, SILT & SOME CLAY, LT YELLOWISH BROWN, ~~SLI MOIST TO DRY~~ OR MOIST TO DRY		M TO D	
	0-2					0.0	1-1.5'	SAA (MOIST TO WET)			
							1.5	SOIL SATURATED, LT GRY SILT & VRY FINE SAND		S	
				MODER ODOR		427	1.5-2.0	SAA SATURATED		S	
								END OF BORING			
								SAMPLE: SB-178 (0-2') @1735			
								@1745, 5" WATER IN BOREHOLE			
								8/12/15			
								NOTE: SAMPLE MATERIAL FROM 0- ~1.5 → SLI. MOIST MATERIAL			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-176	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/13/15 End Date: 8/13/15	Borehole Start Time: 1000 ☒ AM ☐ PM End Time: 1035 ☒ AM ☐ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 4
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 3.0	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked): ~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ~~☒ Other (describe)=Abandon~~

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2'			NO ODOR		0.0	0-1	SAND, SILT & GRAVEL, DRY, BRWN TO TAN, PROB. FILL		D	
				NO ODOR		8.7	1-2	SAND, VRY FINE TO FINE, LT BRN TO TAN, DRY TO SLI MOIST		D	
	2-4'			MOD. ODOR "SOUR"		43.1	2-3	SAND & ORG "MULCH" - PINE STRAW & LEAVES, VRY MOIST, BLACK, FERMENTED (WET @ ~2.8)		M TO W	
				"	"	71.8	3-4	ORG "MULCH" SAA W/ SOME SAND WET TO SATURATED		WTOS	
								END OF BORING			
								SAMPLE: SB-176 (0-2') @ 1040			
								* MS/MSD TAKEN HERE			
								@ 1050, 4" WATER IN BOREHOLE			

8/13/15

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-177	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/13/15 End Date: 8/13/15	Borehole Start Time: 1055 ☒ AM ☐ PM End Time: 1115 ☒ AM ☐ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 4
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			NO ODOR		2.6	0-1	FINE SAND W/SOME CLAY, LT BRWN TO TAN, SLI MOIST		D	
				NO ODOR		13.1	1-2	FINE SAND (SAA) 1-1.5, 1.5 SOIL VRY MOIST TO WET @ 2' BLACK ORG. MATERIAL "MULCH"		M	
	2-4			SLI ODOR "ORG"		40.6	2-3	SAA BLACK ORG MATERIAL "MULCH" WET TO SAT.		W	
				SLI ODOR "ORG"		50.3	3-4	SAND & SILT SATURATED W/ SOME BLCK ORG MULCH		W TO S	
										S	

END OF BORING

SAMPLE: SB-177 (0-2') @ 1120

NOTE: TOOK (0-2) INTERVAL FROM 0-1' BGS DUE TO SOIL MOISTURE PAST 1'

8/13/15

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS

BORING LOG

Boring/Well Number: SB-193	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/13/15 End Date: 8/13/15	Borehole Start Time: 1200 ☐ AM ☒ PM End Time: 1215 ☐ AM ☐ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches):	Borehole Diameter (inches): 3	Borehole Depth (feet): 4
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2		MOD. ODOR			388.4	0-1	VRY F SAND & SILT, DRY TO SLF MOIST, LT BRN TO TAN	D		
			HIGH ODOR ORG. ODOR			3888	1-2	(1-1.8) - SAA, W/ SOME GRY CLAY	M		
								(1.8-2.0) - VRY MOIST TO WET ORG. MAT. "MULCH" BLACK	W		
			" " ORG. ODOR			4090	2-3	SAA WET TO SATURATED FROM 2-3, ORG "MULCH"	S		
			MOD ODOR			3085	3-4	VRY FINE SAND, VRY SATURATED, VRY DK BROWN	S		
								END OF BORING			
								SAMPLE: SB-193 (0-2') @ 1220			
			DTW @ BOREHOLE = 1.25' bgs (4' BOREHOLE) @ 1245					NOTE: SAMPLE MATERIAL TAKEN FROM 0-1.8' (1.8-4' WET TO SATURATED).			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-204	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/13/15 End Date: 8/13/15	Borehole Start Time: 1300 ☐ AM ☒ PM End Time: 1315 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): —	Borehole Diameter (inches): **3**	Borehole Depth (feet): 3
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID
Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*):	~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other		
Borehole Completion (check one):	☐ Well ☐ Grout ☐ Bentonite ☒ Backfill	~~☒ Other (describe)=**Abandon**~~	

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	**Sample Description** (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	**Lab Soil and Groundwater Samples** (list sample number and depth or temporary screen interval)
			NO ODOR				0-1	FINE SAND W/ SOME GRAVEL, DK BRWN W/ TAN, DRY TO SLI MOIST		D	
		0-2	NO ODOR				1-2	(1-1.8) SAA W/ NO GRAVEL MORE TAN, MORE MOIST		M	
								(1.8-2.0) WET SAND FINE GRN, TAN		W	
		2-3	NO ODOR				2-3	WET TO SATURATED SAND FINE TO MED GRN, WELL SORTED, TAN		W S	

END OF BORING

1335: DTW IN BORE HOLE = 1.65' bgs (3' BORE HOLE)

SAMPLE: SB-204 (0-2') @ 1320

NOTE: SAMPLE MATERIAL FROM 0-1.8' DUE TO MOISTURE

MW-F-11 NEARBY MW @ 1338 DTW = 1.80' bgs

COULD NOT GAIN ACCESS TO MW-F6 FOR DTW (WELL PAD STUCK).

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-207	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/13/15 End Date:	Borehole Start Time: 1405 ☐ AM ☒ PM End Time: 1435 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): 2"	Borehole Diameter (inches): 3	Borehole Depth (feet): 2'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 2.0	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ~~☒ Drum~~ ☐ Spread ~~☐ Backfill~~ ☐ Stockpile ☐ Other
X BACKFILL

Borehole Completion (check one): ☐ Well ☒ Grout SURFACE ☐ Bentonite ☒ Backfill ~~☒ Other (describe)=Abandon~~

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			No ODOR		47.4	0-1	FINE TO MEDIUM SAND W/ SOME GRAVEL, DK BROWN, DRY TO SLI MOIST		D	
				No ODOR		49.7	1-2	(1-1.5) SAA W/SILT MOIST TO WET @ 1.5 TO 2.0		W	
								END OF BORING			
								SAMPLE: SB-207 (0-2') @ 1440			
								NOTE: SAMPLE MATERIAL TAKEN FROM 0-1.5' DUE TO MOISTURE PAST 1.5' TO 2'		NOTE: FROM 1-1.5' FLAKES OF YLLW MAN MADE MATERIAL W/ FIBERS NOTED	
								NOTE: COULD NOT AUGER PAST 2' bgs DUE TO LARGE GRAVEL			
								OFFSET X 2 INSIDE 12" DIAM. CONCRETE CORE			
								COULD NOT SURPASS 2'			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS BORING LOG

Boring/Well Number: SB-200	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/13/15 End Date: 8/13/15	Borehole Start Time: 1540 ☐ AM ☒ PM End Time: 1640 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 4
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
				SLI. ODOR		336.8	0-1	VRY FINE SAND & SILT W/ TRACE CLAY & SOME GRAVEL, BRWN, DRY, & W/ SOME YLW CHUNKS MAN MADE RESIN LAYER @ 1' bgs		D	
				MOD. ODOR		712.3	1-2	1-1.5 - SAA 1.5-2.0 - CLAY, ~~SLI~~ MOIST, HIGH PLASTIC, VRY UNIFORM, GREY W/ DK RED		D	
				SLI. ODOR		740.8	2-3	SAA W/ NO DK RED (LT GRY) + (SOME BURNT ORANGE)		D	
				SLI ODOR		717.8	3-4	3-3.5 - SAA, CLAY, HIGH PLASTIC LT GREENISH GRY SLI ~~MOIST~~ MOIST 3.5-4 - CLAY TRANSITIONS TO CLAYEY SAND TO VRY FINE SAND, LT GREEN GRY, MOIST		D M	
								SAMPLES: SB-200(0-2') @ 1645 SB-200(2-4') @ 1650			
								EQUIP BLANK: EB-02(081315) @ 1700			

NOTE:
DTW @ MW-26 = 5.3' bgs @ 1555

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = ~~Split Spoon~~; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-161 ~~DK~~	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/13/15 End Date: 8/13/15	Borehole Start Time: 1800 ☐ AM ☒ PM End Time: 1815 ☐ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: ~~(circle one)~~ **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): —	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 1.8	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ~~☒ Other (describe)=Abandon~~

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
				No odor		0.0	0-1	SAND, SILT & GRAVEL PROBABLE FILL, BRWN (VERY MOIST @ 1')		D TO M	
	0-2			No odor		29.4	1-2	SAND & SILT W/ SOME CLAY LT TO DK BRWN, WET TO SATURATED		W TO S	
								END OF BORING			
								SAMPLE: SB-161 (0-2') @ 1820			
								NOTE: DTW @ WELL MW-F1 = 1.80' bgs (VERY CLOSE TO BORING LOCATION)			
								NOTE: (TOOK MATERIAL FROM 0-1 FOR SAMPLE DUE TO MOISTURE FROM 1-2')			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-163	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/13/15 End Date: 8/13/15	Borehole Start Time: 1835 ☐ AM ☒ PM End Time: 1855 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: ~~(circle one)~~ Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 2'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 2'	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ~~☒ Other (describe)~~ = **Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
			NO ODOR			0.0	0-1	SAND, SILT & GRAVEL, ORGANIC MATERIAL "MULCH" @ 1' bgs DRY TO MOIST		D	
	0-2		ORG. ODOR			28.3	1-2	SAA "MULCH" ORG. BLACK MATERIAL, FULL MOIST TO SATURATED @ 2' bgs		M TO W	
								END OF BORING		TO S	
								SAMPLE SB-163(0-2') @ 1900			
								NOTE: TOOK MATERIEL FROM 0-1' bgs FOR SAMPLE DUE TO ORGANICS & MOISTURE			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-162	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/13/15 End Date: 8/13/15	Borehole Start Time: 1915 ☐ AM ☒ PM End Time: 1940 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one): Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 4'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 3'	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☒ Drum, ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			SLI. ODOR		957.3	0-1	FINE SAND & SILT W/GRAVEL DRY BROWN TO TAN, PROB. FILL		D	
				SLI. ODOR		914.8	1-2	VERY FINE SAND & SILT, DK BRWN, DRY TO SLI. MOIST		D	
	2-4			SLI ODOR		2073	2-3	SAA MOIST FROM 2 TO 3' (@ 3' WET)		M TO W	
				SLI ODOR		1117	3-4	SAA W/ SOME CLAY, WET		W	
								END OF BORING			
								SAMPLE: SB-162(0-2') @ 1945			
								DUP-04(0-2') @ —			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-203	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 0955 ☒ AM ☐ PM End Time: 1010 ☒ AM ☐ PM	
Environmental Contractor: ARCADIS	Geologist's Name: ~~(circle one)~~ Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 4' bgs
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			No odor		72.5	0-1'	SAND, SILT w/ SOME CLAY & TRACE GRAVEL, LT BRN TO GRY SLIMOIST		M	
				No odor		665.7	1-2'	VRY FINE SAND & SILT, LT GRY, WET		W	
	2-4			No odor		329.6	2-3'	VRY FINE SAND & SILT w/ SOME CLAY LT GRY, WET		W	
				No odor		702.3	3-4'	CLAY TRANSITIONS TO COARSE SAND, GRY SATURATED		S	
								END OF BORING			

DTW IN BORE HOLE 3.10 bgs @ 1025 (4' BORE HOLE)

SAMPLE MATERIEL FROM 0-2' FROM DRYEST MATERIEL I COULD GET

SAMPLE: SB-203(0-2') @ 1015

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-202	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1030 ☒ AM ☐ PM End Time: 1100 ☒ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): —	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2'
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe) **Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
							0-1	SAND, SILT, & GRAVEL w/ TRACE DEBRIS, LT BRWN DIRT TO SLI MOIST		D	
						38.6	1-2	SILTY CLAY, VRY DK BRWN SLI. MOIST w/ TRACE DEBRIS		SLI. M	
								END OF BORING			
								SAMPLE: SB-202 (0-2') @ 1105			

NOTE: LOCATION OFF CORNER OF DESTRUCTED BLDG, OFFSET LOCATION X5 DUE TO SUBSURFACE DEBRIS @ 2' bgs COULD NOT AUGER PAST 2' bgs/ TOOK SAMPLE 0-2'

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-181	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1330 ☐ AM ☒ PM End Time: 1350 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: ~~(circle one)~~ **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): —	Borehole Diameter (inches): **3**	Borehole Depth (feet): 1'
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ~~☒ Other (describe)~~ **Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			NO ODOR		0.0	0-1	SILT w/ SOME VRY FINE SAND & CLAY, DRY TO SLIMOIST		D	
								END OF BORING			
								SAMPLE: SB-181 (0-2') @ 1355			
								NOTE: OFFSET IN LOCATION X 3/ COULD NOT PENETRATE HAND AUGER PAST 1' bgs, DUE TO SUBSURFACE CONCRETE & OR ROCKS			
								TOOK SAMPLE MATERIAL FROM 0-1' FOR (0-2') INTERVAL			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-184	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1120 ☒ AM ☐ PM End Time: 1205 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches):	Borehole Diameter (inches): 3	Borehole Depth (feet): 1
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked): ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe) ~~Abandon~~

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2		NO ODOR			0.0	0-1	SILT, DRY, LT BROWN		D	
								END OF BORING			
								SAMPLE: SB-184 (0-2') @ 1210			
								NOTE: DTW @ MW-26 = 5.50' bgs			
								NOTE: OFFSET x 5 IN GENERAL AREA/ COULD NOT SURPASS 1' bgs DUE TO SUBSURFACE GRAVEL			
								TOOK MATERIAL FROM 0-1' FOR (0-2') INTERVAL			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-185	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1215 ☐ AM ☒ PM End Time: 1235 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches):	Borehole Diameter (inches): **3**	Borehole Depth (feet): 1
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe) = **Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2		NO ODOR			0.0	0-1	SILT W/ SOME CLAY, DRY LT REDDISH BROWN		D	
								END OF BORING			
								SAMPLE: SB-185 (0-2') @ 1240			
								NOTE: OFFSET X5 / COULD NOT SURPASS 1' bgs DUE TO VRY STIFF GRAVEL LAYER OR CONCRETE DEBRIS. TOOK MATERIAL FROM 0-1' FOR (0-2') INTERVAL			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-183	Permit Number: **NA**
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/14/15 End Date: 8/14/15 — Borehole Start Time: 1245 ☐ AM ☒ PM End Time: 1255 ☐ AM ☒ PM
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers** — Environmental Technician's Name: **NA**
Drilling Company: **NA**	Pavement Thickness (inches): — Borehole Diameter (inches): **3** — Borehole Depth (feet): 1
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): — Measured Well DTW (in feet after water recharges in well): — OVA (list model and check type): Model: ☒ FID ☐ PID
Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*:	☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other
Borehole Completion (check one):	☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2		NO ODOR			0.0	0-1	SILT, w/ SOME CLAY, DRY TO SLI. MOIST, LT REDDISH BROWN		D	
								END OF BORING			
								SAMPLE: SB-183(0-2') @ 1300			
								NOTE: OFFSET X3 COULD NOT SURPASS 1' bgs DUE TO DEBRIS & OR ROCKS LAYER/ TOOK MATERIAL FROM 0-1 & SAMPLED FOR (0-2') INTERVAL			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-182	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1305 ☐ AM ☒ PM End Time: 1315 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): —	Borehole Diameter (inches): **3**	Borehole Depth (feet): 1
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ~~☒ Other (describe)=Abandon.~~

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			NO	ODOR	0.0	0-1	SILT & SOME CLAY, LT REDDISH BROWN, DRY TO SLI MOIST		D	
								END OF BORING			
								SAMPLE: SB-182 (0-2') @ 1315			
								OFFSET X3 NOTE: COULD NOT SURPASS 1' bgs DUE TO SUBSURFACE DEBRIS/ROCKS. TOOK MATERIAL FROM 0-1' FOR (0-2') INTERVAL			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-208	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1410 ☐ AM ☒ PM End Time: 1450 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 6
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 5'	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (describe if other or multiple items are checked): ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe) Abandon

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			No ODOR		0.0	0-1	SILT, & FINE SAND, LT BRWN DRY TRANSITIONS TO FINE TO COARSE, POORLY SRTED, SAND, LT TAN, DRY TO SLI. MOIST @ 1' bgs		D	
						0.0	1-2	SAA FINE TO CRS LT TAN SAND FROM 1-1.5' (1.5-2.0) - CLAYEY SAND, FINE TO MED GRN, SLI. MOIST, BURNT ORANGE		D D TO SLI M	
	2-4					0.0	2-3	SAA "CLAYEY SAND" MOIST		M	
						0.0	3-4	SAA "MORE SAND THAN CLAY" LT ORANGE, MOIST		M	
	4-6					0.0	4-5	SAND, FINE TO CRSE, POORLY SORTED, MOIST, LT TAN TO ORANGE		M	
						0.0	5-6	SAA, W/ SOME CLAY, LT BRN DRY MOIST TO WET		M	
								END OF BORING			

NOTE: DTW @ NEARBY MW-2C = 5.00' bgs

SAMPLE: SB-208(0-2') @ 1455
SB-208(2-4') @ 1500

NOTE: OFFSET X2, HARD @ SURFACE

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-209	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1505 ☐ AM ☒ PM End Time: 1525 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 1'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			No odor		0.0	0-1	VRY FINE SAND & SILT, LT BRWN, DRY W/ TRACE GRAVEL, & BRICK DEBRIS			
								END OF BORING			
								SAMPLE: SB-209(0-2') @ 1530			
								NOTE: OFFSET X4, COULD NOT PENETRATE BEYOND 1.5' bgs DUE TO SUBSURFACE DEBRIS/GRAVEL			
								TOOK SAMPLE MATERIAL FROM 0-1.5' FOR THE (0-2') INTERVAL			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-169	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1550 ☐ AM ☒ PM End Time: 1605 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches):	Borehole Diameter (inches): 3	Borehole Depth (feet): 5
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ~~☒ Other (describe)~~ = Abandon

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			No ODORS		0.0	0-1	VRY FINE SAND, DRY TO SLI MOIST, LT BRWN		D	
						0.0	1-2	SAA w/ SOME CLAY, SLI MOIST		D	
	2-4					0.0	2-3	CLAYEY SAND, VRY FINE, TAN W/ ORANGE, SLI MOIST		D	
						0.0	3-4	CLAY w/ SOME VRY FINE SAND TAN & ORANGE MOIST		M	
	4-6					0.0	4-5	SAA WET TO SATURATED (LESS SAND) MOSTLY CLAY		W TO S	
								END OF BORING			
								SAMPLES: SB-169(0-2') @ 1610; SB-169(2-4') @ 1615			

NOTE: DTW IN BOREHOLE = 4.15' bgs ON 5' BOREHOLE

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-172	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1620 ☐ AM ☒ PM End Time: 1645 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): —	Borehole Diameter (inches): 3	Borehole Depth (feet): 1.2
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): —	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
				NO ODOR		27.8	0-1	SILT + GRAVEL 0-0.5 DRY BLACK ORG "COAL/ANTHRACITE" 0.5-0.8 0.8-1.2' = GREENISH GRY CLAY w/ SOME VERY FINE SAND			
								END OF BORING			
								SAMPLE: SB-172 (0-2') @ 1650			

NOTE: OFFSET BORING X 3 W/IN MEANS OF UTILITY CLEARANCE, @ 1.2' bgs COULD NOT SURPASE DUE TO SUBSURFACE CONCRETE

TOOK SAMPLE MATERIAL 0-1.2' bgs FOR (0-2') INTERVAL

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-170	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1655 ☐ AM ☒ PM End Time: 1710 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one): Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches):	Borehole Diameter (inches): 3	Borehole Depth (feet): 4'
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 3-4	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ~~☒ Drum~~ ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ~~☒ Other (describe)~~ **Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2			No ODOR		0.0	0-1	SILT W/ SOME VRY FINE SAND ~~W/ TRACE ORGS~~ LT BRWN TO TAN, SLI MOIST		D	
				No ODOR		0.0	1-2	SAND, FINE TO MED GRN, DK BRWN TO TAN, SLI MOIST TO VERY MOIST @ 2'		M	
	2-4			No ODOR		0.0	2-3	SAND, VRY FINE TO MED, WET, TAN		W	
				No ODOR		0.0	3-4	SAA, DK BRWN W/ SOME SILT, WET TO SAT.		W TO SAT @ 4'	
								END OF BORING			
	NOTE: DTW IN BOREHOLE @ 1725 3' bgs ON 4' DEPTH HOLE							SAMPLE: SB-170 (0-2') @ 1715			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-171	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8/14/15 End Date: 8/14/15	Borehole Start Time: 1725 ☐ AM ☒ PM End Time: 1735 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches):	Borehole Diameter (inches): 3	Borehole Depth (feet): 4
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 3-4	Measured Well DTW (in feet after water recharges in well): —	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other ~~(describe)~~ Abandon

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2		NO ODORS			328.4	0-1	VRY FINE SAND & SILT, DK BRWN, W/ SOME SMALL PEBBLES SLI MOIST		D	
						2222	1-2	VRY FINE SAND, DK BRWN W/ SING TAN, MOIST		M	
						4287	2-3	VRY FINE SAND & SILT DK BRWN MOIST TO WET		W	
	2-4					2441	3-4	CLAYEY FINE SAND, DK BRWN WET TO SAT.		W TO S	
								END OF BORING			
		DTW IN BOREHOLE @						SAMPLE: SB-171(0-2') @ 1740			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS BORING LOG

Boring/Well Number: SB-187	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-12-15 End Date: 8-12-15	Borehole Start Time: 1500 ☐ AM ☒ PM End Time: 1595 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2.3
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2.3	Measured Well DTW (in feet after water recharges in well): MW-F3R = 2.51	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12			967		1	Fine-Med Grain Sand, tan	SP	D	SB-187(0-2)
		12			1132		2	Fine-Med Grain Sand, Gray, some staining w/ odor		D	
		4					2.3	Fine-Med Grain Sand, Gray/Black Saturated	SP	S	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-174	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-12-15 End Date: 8-12-15	Borehole Start Time: 1525 ☐ AM ☒ PM End Time: 1545 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet):
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): MW-FJR = 2.51	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12			7a2		1	Small-Med Grain Sand, Gray / tan	SP	D	SB-174 (0.2)
		12			3054		2	Small-Med Grain Sand, Gray w/ some Staining	SP	D	
		6					2.5	"	SP	M	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-190	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-12-15	Borehole Start Time: 0820 ☒ AM ☐ PM	
	End Date: 8-12-15	End Time: 0900 ☒ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2.5
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2.5	Measured Well DTW (in feet after water recharges in well): AW-FZ = 2.57	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other
(*describe if other or multiple items are checked*): Man

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	**Sample Description** (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	**Lab Soil and Groundwater Samples** (list sample number and depth or temporary screen interval)
HA	0-2	12				0.0		Course Sand, Tan, unconsolidated	SP	D	SB-190(0-2)
		12				12.5	1	Fine Sand Gray / Black, odor present, some staining		D	
		6				403	2	Fine Gray Sand		M	
							2.5				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-189	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-12-15 End Date: 8-12-15	Borehole Start Time: 0950 ☒ AM ☐ PM End Time: 1010 ☒ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2	Measured Well DTW (in feet after water recharges in well): MW-F8 = 2.56	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked): NA

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12				6.6		Course Sand, Tan, unconsolidated	SP	D	SB-189(0-2)
		12				23.3	1	Med Sand, Grey, odors present			
							2	Som staining		M	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS BORING LOG

Boring/Well Number: SB-16B	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8-12-15 End Date: 8-12-15	Borehole Start Time: 1020 ☒ AM ☐ PM End Time: ~~1045~~ 1050 ☒ AM ☐ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2.7
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 2.7	Measured Well DTW (in feet after water recharges in well): MW-F7 = 2.56	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other
MW

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.2	12				0.0	1	Gray Med Sand,	SP		SB-16B(0-2)
		12				0.0	2	Gray Med Sand, Odors present, some staining			
		8.4				0.0	2.7	Gray Med Grain Sand	SP		

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-192	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-12-15 End Date: 8-12-15	Borehole Start Time: 1145 ☒ AM ☐ PM End Time: 1230 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 1.5
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): NM	Measured Well DTW (in feet after water recharges in well): MW-F7 = 2.56	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
H	0-2	12				0.0	1	Med-Coarse grain Sand, moderate no staining	SP	D	SB-192 (0-2)
		6				0.0	1.5	refusal @ 1.5', offset 3x			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-167	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-12-15 End Date: 8-12-15	Borehole Start Time: 1250 ☐ AM ☒ PM End Time: ☐ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 3
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2.5	Measured Well DTW (in feet after water recharges in well): MW-F7 = 2.56	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0.2	12				111.1	1	Gray Fine - Med Grain Sand	SP	D	SB-167(0.2)
		12				165.4	2	Gray Fine - Med Sand, some staining		D	
		12					3	Gray Fine - Med Grain Sand Saturated	SP	S	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-164	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-11-15 End Date: 8-11-15	Borehole Start Time: ~~1450~~ 1630 ☐ AM ☒ PM End Time: ~~1445~~ 1630 ☐ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 3
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked):* ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12				0.0	1	Dark Gray Med-Fine Sand w/	SP	D	SB-164
		12				0.0	2	some Silt		D	(0-2)
		12				0.0	3	"	SP	M	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-157	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8/11/15 End Date:	Borehole Start Time: 1100 ☒ AM ☐ PM End Time: ☐ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 5.5
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): 5	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2					0.0	1	(Gray Sand Fine Some Silt	SP	Dry	SD-157(0-2)
						0.0	2	(layer Silt w/ some Sand fine	SC		
						0.0	3	"	~~SP~~ SC	Dry	SB-157(2-4)
						0.5	4	"			
						10.9	5	"	~~SP~~ SC	Moist	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-166	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-11-15 End Date: 8-11-15	Borehole Start Time: 1404 ☐ AM ☒ PM End Time: 1425 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☒ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
	0-2	24				46.6		Fin-Coarse Sand, Tan	SP	D	SB-166(0-2)
						124.2	1	Black Organic Matter w/ Sand		M-D	
							2				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-165	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-11-15 End Date: 3-11-15	Borehole Start Time: 1440 ☐ AM ☒ PM End Time: 1500 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content):	Measured Well DTW (in feet after water recharges in well): 2	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	24				0.0	1	Med- Coarse sand, Tan color	SP	D	
						187.2	2			M	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-198	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-11-15 End Date: 8-11-15	Borehole Start Time: 1500 ☐ AM ☒ PM End Time: 1530 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ~~☒ Drum~~ NA ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	24				85.3	1	Tan Med - Coarse Sand w/ some Silt	SP	M	
						145.5	2			D	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-205	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8-13-15 End Date: 8-13-15	Borehole Start Time: 1445 ☐ AM ☒ PM End Time: 1510 ☐ AM ☒ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 2	Measured Well DTW (in feet after water recharges in well): MW-F11 = 1.80	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum mm ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12				501.9		Med. Fine Grain Sand, Gray w/ some gravel	~~Dba~~ SP	D	SB-205(0-2)
		12				1412	1	Med. Grain Sand, Gray	SP mm	M	
							2				

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-206	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-13-15 End Date: 8-13-15	Borehole Start Time: 1420 ☐ AM ☒ PM End Time: 1457 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2	Measured Well DTW (in feet after water recharges in well): MW-FLL = 1.80	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12					1	Med Grain Sand Gray, slight odor	SP	D	SB-206(0-2)
		12				555	2	Med Grain Sand, Gray, slight odor	SP	D	
		24					2.2	"	M		

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-179	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-13-15 End Date: 8-13-15	Borehole Start Time: 1150 ☒ AM ☐ PM End Time: ☐ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): 5	Borehole Diameter (inches): **3**	Borehole Depth (feet): 1
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): NM	Measured Well DTW (in feet after water recharges in well):	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: ☒ Drum ☐ Spread ☐ Backfill ☐ Stockpile ☐ Other
(describe if other or multiple items are checked):

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	7				151.9		Med Grain Sand Dark Brown w/ odor and some organics	SP	D	SB-179(0-2)
							1	★ Refusal @ 1' ~~bottom~~ below BGS, ~7" below concrete	SP		

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS BORING LOG

Boring/Well Number: SB-186	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8-13-15 End Date: 8-13-15	Borehole Start Time: 1110 ☒ AM ☐ PM End Time: 1115 ☒ AM ☐ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 2	Measured Well DTW (in feet after water recharges in well): MW-FSR = 2.51	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked):* ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other
MA

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12					1	Med-loose Grain Sand w/ some gravel. Tan, Brown, Black, staining/ odor present	SP	D	SB-186(0-2) DUP-03
		12					2	Med-Loose Grain Sand. Brown/Black staining/odor present	SP	M	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-188	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-13-15 End Date: 8-13-15	Borehole Start Time: 1010 ☒ AM ☐ PM End Time: 10 ☒ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2	Measured Well DTW (in feet after water recharges in well): MW-F3R = 2.51	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked)*: ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☒ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	**Sample Description** (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	**Lab Soil and Groundwater Samples** (list sample number and depth or temporary screen interval)
HA	0-2	12				0.0	1	Brown Med Grain Sand	SP	D	SB-188(0-2) MS/MSD
		12				9.6	2	Brown + Black Med Grain Sand w/ odor + Staining	SP	M	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-199	Permit Number: NA		
Site Name: ASHLAND LOUISVILLE ROAD (HERCULES)	Borehole Start Date: 8-13-15 End Date: 8-13-15	Borehole Start Time: 0940 ☒ AM ☐ PM End Time: 0955 ☒ AM ☐ PM	
Environmental Contractor: ARCADIS	Geologist's Name: (circle one) Justin Radford / Mark Myers	Environmental Technician's Name: NA	
Drilling Company: NA	Pavement Thickness (inches): NA	Borehole Diameter (inches): 3	Borehole Depth (feet): 2
Drilling Method(s): Hand Auger	Apparent Borehole DTW (in feet from soil moisture content): 2	Measured Well DTW (in feet after water recharges in well): 2.51	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: (*describe if other or multiple items are checked*): ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12				460.6	1	Fine-Med Grain Sand, Black + tan w/ some organics, slight odor	SP	D	SB-199(0-2) DUP-02(0-2)
		12					2	" , ~~[illegible]~~ @ 2 ft Saturated	SP	S	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: ~~SB-174~~ MW SB-173	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-13-15 End Date: 8-13-15	Borehole Start Time: 0915 ☒ AM ☐ PM End Time: 0925 ☒ AM ☐ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 2.5
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 2.0	Measured Well DTW (in feet after water recharges in well): 2.51	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked):* ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12				0.0	1	Brown Med Grain Sand, unconsolidated	~~D~~ SP	D	SB-173(0-2)
		12				0.0	2	Gray Med Grain Sand	SP ~~D~~	D	
		6				0.0	2.5	"	~~M~~	M	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

ARCADIS **BORING LOG**

Boring/Well Number: SB-201	Permit Number: **NA**		
Site Name: **ASHLAND LOUISVILLE ROAD (HERCULES)**	Borehole Start Date: 8-13-15 End Date: 8-13-15	Borehole Start Time: ~~1600~~ 1540 ☐ AM ☒ PM End Time: 1640 ☐ AM ☒ PM	
Environmental Contractor: **ARCADIS**	Geologist's Name: (circle one) **Justin Radford / Mark Myers**	Environmental Technician's Name: **NA**	
Drilling Company: **NA**	Pavement Thickness (inches): NA	Borehole Diameter (inches): **3**	Borehole Depth (feet): 4
Drilling Method(s): **Hand Auger**	Apparent Borehole DTW (in feet from soil moisture content): 4	Measured Well DTW (in feet after water recharges in well): MW-26 = 5.30	OVA (list model and check type): Model: ☒ FID ☐ PID

Disposition of Drill Cuttings [check method(s)]: *(describe if other or multiple items are checked):* ☒ Drum ☐ Spread ☒ Backfill ☐ Stockpile ☐ Other

Borehole Completion (check one): ☐ Well ☐ Grout ☐ Bentonite ☐ Backfill ☒ Other (describe)=**Abandon**

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)				FID Reading (PPM)	Depth (feet)	Sample Description (include grain size based on Udden-Wentworth, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA	0-2	12				0.0	1	Gravel w/ Some Med Grain Sand	GP	D	SB- (0-2)
		12				2162	2	Med Grain Sand w/ some gravel odor present	SP	D	
HA	2-4	12				1454	3	Med-Fine Grain Sand w/ some Silt	SP	P	SB- (2-4)
		12				1455	4	Med-Fine Grain Sand w/ some Silt	SM SP	M	

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings

Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

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